

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(450)

<223> 5' terminal sequence. epidermal growth
factor receptor (avian erythroblastic leukemia
viral (v-erb-b) oncogene homolog) (EGFR) gene.

<400> 136

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<210> 137

<211> 5532

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(5532)

<223> epidermal growth factor receptor (avian
erythroblastic leukemia viral (v-erb-b) oncogene
homolog) (EGFR) gene.

<400> 137

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94/292

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<210> 138

<211> 378

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(378)

<223> 3' terminal sequence. tek tyrosine kinase,
endothelial (venous malformations, multiple
cutaneous and mucosal) (TEK) gene.

<400> 138

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ttattttatc ctaaacttat gtatacttct ctaaagattc ttagggcttg taagcaatga 300
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<210> 139

<211> 447

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(447)

<223> 5' terminal sequence. tek tyrosine kinase,
endothelial (venous malformations, multiple
cutaneous and mucosal) (TEK) gene.

<400> 139

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<210> 140

<211> 4138
<212> DNA/RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(4138)
<223> tek tyrosine kinase, endothelial (venous
malformations, multiple cutaneous and mucosal)
(TEK) gene.

<400> 140
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<210> 141

<211> 395

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(395)

<223> 3' terminal sequence. tumor necrosis factor
receptor superfamily, member 6 (TNFRSF6) gene.

<400> 141

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aaggagaatc ttaaattcta gaaacttggg ggtatgacaa gagcaattcc taaatccaga 240
tgatgatatt accattgcta tgtataagct gccatttgta ggcagggttt acatggggac 300
attattgaac atttccgggg ggtgggggga aaaataaggn atctatttta tccatctttg 360
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<210> 142

<211> 461

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(461)

<223> 5' terminal sequence. tumor necrosis factor

receptor superfamily, member 6 (TNFRSF6) gene.

<400> 142

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tactagtgcac tcagaaaatt caaacttcag aaatgaaatc caaagcttgg tctagagtga 180
aaaacaacaa attcagttct gagtataatgc aattagtgtt tgaaaagatt cttaatatgc 240
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gccaacatat ttgtagggtt ttaatatctc catggattct gcctccaagg gtgtttaaaa 360
tctagttggg ggaacaaaac ttccttcaag ggttaaatgc ngtggcctgg ctaagtaccc 420
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<210> 143

<211> 2551

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(2551)

<223> tumor necrosis factor receptor superfamily,
member 6 (TNFRSF6) gene.

<400> 143

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tgatgaagga catggcttag aagtggaaat aaactgcacc cggaccaga ataccaagtg 600
cagatgtaaa ccaaactttt ttgttaact tactgtatgt gaacactgtg acccttgcac 660
caaatgtgaa catggaatca tcaagggaatg cacactcacc agcaacac ca agtgcгаааа 720
ggaaggatcc agatctaact tgggttggtt ttgtcttctt cttttgcaa ttccactaat 780
tgtttggtg aagagaaagg aagtacagaa aacatgcaga aagcacagaa aggaaaacca 840
aggttctcat gaatctcaa ctttaaatcc tgaacacagt gcaataaatt tatctgatgt 900
tgacttgagt aaatatatca cacta ttgc tggagtcacg aactaagtc aagttaaagg 960
ctttgttcga aagaatgggt tcaatgaagc caaaatagat gagatcaaga atgacaatgt 1020
ccaagacaca gcagaacaga aagttcaact gcttcgtaat tggcatcaac ttcattgaaa 1080
gaaagaagcg tatgacacat tgattaaaga tctcaaaaaa gccaatcttt gtactcttgc 1140
agagaaaatt cagactatca tctcaagga cttactagt gactcagaaa attcaaactt 1200
cagaaatgaa atccaaagct tgggtctaga tgaaaaacaa caaattcagt tctgagtata 1260
tgcaattagt gtttgaagg attcttaata gctggctgta aatactgctt ggttttttac 1320
tgggtacatt ttatcattta tttagcgtga agagccaaca tatttgtaga tttttaatat 1380
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gattatgctc tggcatctaa catatgattc tgtagtatga atgtaatcag tgtatgttag 1560
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acagtttatt ggtgtcatat tatacaatat ttcaattgtg aattcacata gaaaacatta 1860
aattataatg ttgactatt atatatgtgt atgcatttta ctggctcaa actacctact 1920
tctttctcag gcatcaaaag cattttgagc aggagagtat tactagagct ttgccacctc 1980
```

```

tccatttttg ccttgggtgct catcttaat g gcctaattgca cccccaaaca tggaaatata 2040
acccaaaaaat aacttaatatg ccacccaaaag gcaagactgc ccttagaaat tctagcctgg 2100
tttggagata ctaactgctc tcagagaaag tagctttgtg acatgtcatg aacccatggt 2160
tgcaatcaaa gatgataaaa tagattotta tttttcccc accccgaaa atgttcaata 2220
atgtcccatg taaaacctgc taaaaatggc agcttataca tagcaatggt aaaatcatca 2280
tctggattta ggaattgctc ttgtcatacc cccaagtgtc taagatttaa gattctcctt 2340
actactatcc tacgttttaa tatctttgaa agtttgtatt aaatgtgaat tttaagaaat 2400
aatatttata tttctgtaaa tgtaaaactgt gaagatagtt at aaactgaa gcagatacct 2460
ggaaccacct aaagaacttc catttatgga ggattttttt gccocttggtg ttggaatta 2520
taaaatatag gtaaaagtac gtaattaaat a 2551

```

<210> 144

<211> 434

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(434)

<223> 3' terminal sequence. cyclin-dependent
kinase inhibitor 1a (p21, cip1) (CDKN1A) gene.

<400> 144

```

aaagtcacta agaatcattt attnagcacc tgctgtatat tcagcattgt gggaggagct 60
gtgaaagaca cagaacagta cagggtgtgg tccctgccct cgagagggtt acagtctagg 120
tggagaaacg ggaaccagga cacatgggga gccgagagaa aacagtcacg gccagtatgt 180
tacaggagct ggaaggtnnt tggggtcaga cccaataact ccaagtacac taagcacttc 240
agtccttcca ggggtcacaac gttagtgccg ggaagacaa ctactccag ccccatatga 300
gcccacgtgg catgccctgt ccatagcctc tactgccacc atcttaaaat gtctgactcc 360
ttgttccgct ggctaattca aagtgcaatg aactggggag ggatgggggt gatgaggaag 420
gttcgntgga cggt 434

```

<210> 145

<211> 257

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(257)

<223> 5' terminal sequence. cyclin-dependent
kinase inhibitor 1a (p21, cip1) (CDKN1A) gene.

<400> 145

```

cttgtgtgctg ntncagggg a gcaggctgaa ggggtcccag gtggacctgg agactctcag 60
ggctgaaaaac ggcggcagac cagcatgaca gatttctacc actccaaacg ccggtgatc 120
ttctccaaga ggaagcccta atccgccac aggaagcctg cagtcttgga agcgcgaggg 180
cctcaaaggc cntnctnaca tcttctgcct tagtctcagt ttgtgtgtct taattattat 2 40
ttgtgtttta aattttt 257

```

<210> 146

<211> 2121

99/292

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(2121)

<223> cyclin-dependent kinase inhibitor 1a (p21,
cip1) (CDKN1A) gene.

<400> 146

```
gccgaagtca gttccttgtg gagccggagc tgggcgcgga ttgcgcgagg caccgaggca 60
ctcagaggag gcgcatgtc agaaccggct ggggatgtcc gtcagaaccc atgcggcagc 120
aaggcctgcc gcgcctctt cgcccagtg gacagcgagc agctg agccg cgactgtgat 180
gcgctaattg cgggctgcat ccaggaggcc cgtgagcgat ggaacttcga ctttgtcacc 240
gagacaccac tggaggggtga cttgccttgg gagegtgtgc ggggccttgg cctgcccag 300
ctctaccttc ccacggggcc cggcgaggc cgggatgagt tgggaggagg caggcggcct 360
ggcacctcac ctgctctgct gca ggggaca gcagaggaag accatgtgga cctgtcactg 420
tcttgtaccc ttgtgcctcg ctcaggggag caggctgaag ggtccccagg tggacctgga 480
gactctcagg gtcgaaaacg gcggcagacc agcatgacag atttctacca ctccaaacgc 540
cggctgatct tctccaagag gaagccctaa tccgccaca ggaagcctgc agtccctgaa 600
gcgcgagggc ctcaaaggcc cgtctacat cttctgcctt agtctcagtt tgtgtgtctt 660
aattattatt tgtgttttaa tttaaacacc tcctcatgta catacccttg ccgccccctg 720
ccccccagcc tctggcatta gaattattta acaaaaaact aggcgggttga atgagagggt 780
cctaagagtg ctgggcattt ttattttatg aaatactatt taa agcctcc tcattccctg 840
ttctcctttt cctctctccc ggaggttggg tgggcggct tcattgccagc tacttctctc 900
tccccacttg tccgctgggt ggtaccctct ggagggtgt ggctccttcc catcgtgtgc 960
acaggcgggt atgaaattca ccccttttcc tggacactca gacctgaatt ctttttcatt 1020
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ggcaggggga aggtggggta ctggagcaga ccaccccgcc tgcctcatg gccctctga 1260
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cgaccttctc catccacccc atccctcccc agttcattgc actttgatta gcagcggaac 1740
aaggagtcag acattttaag atggtggcag tagaggctat ggacagggca tgccacgtgg 1800
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taacatactg gcctggactg tttctctctg gctccccatg tgtcctggtt ccggtttctc 1980
cacctagact gtaaacctct cgagggcagg gaccacaccc tgtactgttc tgtgtctttc 2040
acagctcctc ccacaatgct gaatatagc cagggtgtca ataatgatt cttagtgtact 2100
ttaaaaaaaaa aaaaaaaaaa a 2121
```

<210> 147

<211> 452

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(452)

<223> 3' terminal sequence. phospholipase a2,
group iia (platelets, synovial fluid) (PLA2G2A)
gene.

<400> 147

```
gatttgctaa ttgcttttatt cagaagagac cccccggagt acagcttctt tggtaagca 60
cggagttgag gtggaggaga gcagtagaag gctggaaatc tgctggatgt ctcattctgg 120
gtgggtatag aagggctcct gcctggcctc taggatgggt gagggatgct ttctgcatgg 180
ccaaggaact tggttagggt agggaggag ggtatgagag agggaaattc agcactgggt 240
ggaaggtttc caggaagag gggactcagc aacgaggggt gctccctctg cagnttttat 300
tggaatagta ctggtacttt ttattgtagg tcttcttntt tctagcaaaa cagggtngca 360
gcagccttat cacacttca c acagttgact tctgcaggag tccnttttt gcacaggttg 420
attctgctcc ccgaagttac taaacttttt tt 452
```

<210> 148

<211> 379

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(379)

<223> 5' terminal sequence. phospholipase a2,
group iia (platelets, synovial fluid) (PLA2G2A)
gene.

<400> 148

```
tggagtcttc tgagagagcc accaaggagg agcaggggag cgacggccgg ggcagaagtt 60
gagaccaccc agcagaggag ctaggccagt ccatctgc at ttgtcaccca agaactctta 120
ccatgaagac cctcctactg ttggcagtga tcatgatctt tggcctactg caggcccatg 180
ggaatttggt gaatttccac agaatgatca agttgacgac aggaaaggaa gccgcactca 240
gttatggctt ctacggctgc cactgtggcg tgggttgag aggatcccc aaggatgcaa 300
cggattcgct gctgtg tcac tcatgactgt ttgtacaaa cgtctgggag aaacgtgggt 360
tnttggcacc aaatttttt 379
```

<210> 149

<211> 854

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(854)

<223> phospholipase a2, group iia (platelets,
synovial fluid) (PLA2G2A) gene.

<400> 149

```
gaattcccaa ctctggagtc ctctgagaga gccaccaagg aggagcaggg gagcgacggc 60
cggggcagaa gttgagacca ccagcagag gagctaggcc agtccatctg catttgct ac 120
ccaagaactc ttacatgaa gacctccta ctgttggcag tgatcatgat ctttggccta 180
ctgcaggccc atgggaattt ggtgaatttc cacagaatga tcaagttgac gacaggaaag 240
gaagcgcac tcagttatgg cttctacggc tgccactgtg gcgtgggtgg cagaggatcc 300
```

```

cccaaggatg caacggatcg ctgctgtgtc actcat gact gttgctacaa acgtctggag 360
aaacgtggat gtggcaccac atttctgagc tacaagttaa gcaactcggg gagcagaatc 420
acctgtgcaa aacaggactc ctgcagaagt caactgtgtg agtgtgataa ggctgctgcc 480
acctgttttg ctagaaacaa gacgacctac aataaaaagt accagtacta ttccaataaa 540
cactgcagag ggag caccoc tcgttctga gtccctctt cctggaaac cttccacca 600
gtgtgaatt tccctctctc ataccctccc tccctacct aaccaagtc cttggccatg 660
cagaaagcat cctcaccac tctagaggc caggcaggag ccttctata cccaccaga 720
atgagacatc cagcagattt ccagccttct actgctctcc tccacctcaa ctccgt gctt 780
aaccaaagaa gctgtactcc ggggggtctc ttctgaataa agcaattagc aaatcaaaaa 840
aaaaaaagga attc 854

```

<210> 150

<211> 224

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<220>

<221> misc_feature

<222> (1)..(224)

<223> 3' terminal sequence.

glyceraldehyde-3-phosphate dehydrogenase (GAPD)
gene.

<400> 150

```

ggttgagcac aggnacttt attgatgna catgacaagg tgoggctccc taggcccctc 60
ccctnttcaa ggggtctaca tggcaact nt gaggagggga gattcagtgt ggtgggggac 120
tgagtntggc agggactccc cagcagtggg ggtctctctc tctctcttnt gctcttntctg 180
gggntgggtg nccagggnntn ttactccttg gaggccatnt gggc 224

```

<210> 151

<211> 359

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<220>

<221> misc_feature

<222> (1)..(359)

<223> 5' terminal sequence.

glyceraldehyde-3-phosphate dehydrogenase (GAPD)
gene.

<400> 151

```

gagctgagta cgtcgtggag tccactggcg tcttcaccac catggagaag gctggggctc 60
atttgcaggg gggagccaaa agggatcatca tctctgcccc ctctgctgat gcccccatgt 120
tcgtcatggg tgtgaaccat gagaagtatg acaacagcct caagatcatc agcaatgcct 180
cctgcaccac caactgctta gcacccttgg gccaaagtca tccatgacaa ctttgggtatc 240
gtggaaggac tcatgaccac agtccatgcc atcactgcca c ccagaagac tgtggatggc 300
ccctnccggga aactgtgggc gtgatggcgg cgggggttctt tcagaacatc atccctgcc 359

```

<210> 152

<211> 1283

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(1283)

<223> glyceraldehyde -3-phosphate dehydrogenase
(GAPD) gene.

<400> 152

```
ctctctgctc ctctctgttcg acagtcagcc gcattcttctt ttgcgtcgcc agccgagcca 60
catcgctcag acaccatggg gaaggtgaag gtcggagtca acggatttgg tcgtattggg 120
cgctgtgtca ccagggctgc ttttaactct ggta aagtgg atattgttgc catcaatgac 180
cccttcattg acctcaacta catggtttac atgttccaat atgattccac ccatggcaaa 240
ttccatggca cgtcaaggc tgagaacggg aagcttgtca tcaatggaaa tcccatcacc 300
atcttcagg agcgagatcc ctccaaaatc aagtggggcg atgctggcgc tgagtacgtc 360
gtggagtcca ctggcgtctt caccaccatg gagaaggctg gggctcattt gcagggggga 420
gcaaaaaggg tcatcatctc tgccccctct gctgatgcc ccatgttcgt catgggtgtg 480
aaccatgaga agtatgacaa cagcctcaag atcatcagca atgcctcctg caccaccaac 540
tgcttagcac ccctggccaa ggtcatccat gacaactttg gtatcgtgga agga ctcatg 600
accacagtc atgccatcac tgccaccag aagactgtgg atggccctc cgggaaactg 660
tggcgtgatg gccgcggggc tctccagaac atcatccctg cctctactgg cgctgccaag 720
gctgtgggca aggtcatccc tgagctgaac gggaagctca ctggcatggc cttccgtgtc 780
cccactgcca acgtgtcagt ggtggacctg ac ctgcgcgc tagaaaaacc tgccaaatat 840
gatgacatca agaaggtggt gaagcaggcg tcggaggggc ccctcaaggg catcctgggc 900
tacactgagc accaggtggt ctctctgac ttcaacagcg acaccactc ctccaccttt 960
gacgctgggg ctggcattgc cctcaacgac cactttgtca agctcatttc ctggtatgac 1020
aacgaatttg gctacagcaa cagggtggtg gacctcatgg ccacatggc ctccaaggag 1080
taagaccctt ggaccaccag cccagcaag agcacaagag gaagagagag accctcactg 1140
ctggggagtc cctgccacac tcagtcccc accacactga atctccctc ctacagttg 1200
ccatgtagac cccttgaaga ggggaggggc ctaggagacc gcaccttgt c atgtaccatc 1260
aataaagtac cctgtgctca acc                                     1283
```

<210> 153

<211> 361

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(361)

<223> 3' terminal sequence. jun b proto -oncogene
(JUNB) gene.

<400> 153

```
tacttaata gattcaatan aaagaacaaa cacacacaaa cacaacacg tcttaaaata 60
aactctttag agactaagtg cgtgtttctt ttccacagta cgggtgcagag aggggagggc 120
agggggcggg ggtcccttcc caatgtcccc gcgggcttga gta ccaggcg gcggggccag 180
ctccentant ncgccccctc ttccctccc tgtaaatac acaaatatat tatattcaat 240
ntgaatcgng tctntttcca gcagaaaaaa aacatacaaa aaaaagtggg aagggggggg 300
cttnttaaa cgttcgangg ttggaaggnc tttggggcnc aggggtaggg anggcccgag 360
t                                     361
```

<210> 154

<211> 401
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(401)
<223> 5' terminal sequence. jun b proto -oncogene
(JUNB) gene.

<400> 154
agcgcacatcaa agtnagagcgc angccttgcg gaaccggctn gcggccacca agtgccggaa 60
gcggaantgg gagcgcacgc ggcttgggag gacaaggatga agacgctcaa ggccgagaaac 120
gcggggntgt cgagtaccgc cggcttcctc cgggagcagg tggcccagct caaacagaag 180
gtcatgaccc acgtnagc aa cggctnctnag ctgctgcttn gggtaaggag acacgccttc 240
tggaacgttc cctgcccctt tacgggacac ccccttcggt tnggacgggt nggcacacgg 300
tttcccactn ggggtccagg gtagcaggcg gtgggggnacc cacctggggg acntaggggg 360
cgnccgcaaa ccacattngg atttccggcc ttcttaacct t 401

<210> 155
<211> 1797
<212> DNA/RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(1797)
<223> jun b proto -oncogene (JUNB) gene.

<400> 155
ccagcaggga gctgggagct gggggaaacg acgc caggaa agctatcgcg ccagagaggg 60
cgacgggggc tcgggaagcc tgacagggct tttgcgcaca gctgccggtt ggctgctacc 120
cgcccgcgcc agcccccgag aacgcgcgac caggcaccca gtccggtoac cgcagcggag 180
agctcgccgc tcgctgcagc gaggccccga gcggccccgc agggaccctc ccagaccgc 240
ctgggcccgc cggatgtgca ctaaaatgga acagcccttc taccacgacg actcatacac 300
agctacggga tacggccggg cccctggtgg cctctctcta cagactaca aactcctgaa 360
accgagcctg gcggtcaacc tggccgaccc ctaccggagt ctcaaagcgc ctggggctcg 420
cggaccocgg ccagagggcg gcggtggcgg cagctacttt tctggtcagg gctcg gacac 480
cggcgctgct ctcaagctcg cctcttcgga gctggaacgc ctgattgtcc ccaacagcaa 540
cggcgtgatc acgacgacgc ctacaccccc ggagacgtac ttttaccccc gcgggggtgg 600
cagcgggtgga ggtgcagggg gcgcaggggg cggcgctacc gaggagcagg agggcttcgc 660
cgacggcttt gtcaaagccc tggacgatct gca caagatg aaccacgtga cccccccaa 720
cgtgtccctg ggcgtaccg gggggccccg ggctgggccc gggggcgtct acgcccggcc 780
ggagccacct cccgtttaca ccaacctcag cagctactcc ccagcctctg cgtcctcggg 840
aggcgcgggg gctgccgtcg ggaccgggag ctogtaccgc acgaccacca tcagctacct 900
cccacacgcg ccgcccttcg ccggtggcca cccggcgag ctgggcttgg gccgcggcgc 960
ctccaccttc aaggaggaac cgcagaccgt gccggaggcg cgcagccggg acgccacgcc 1020
gccggtgtcc cccatcaaca tgggaagacca agagcgcac aaagtggagc gcaagcggct 1080
gcggaaccgg ctggcgccca ccaagtgcg gaagcgggag ctggagcgca t cgcgcgcct 1140
ggaggacaag gtgaagacgc tcaaggccga gaacgcgggg ctgtcgagta ccgcggcct 1200
cctccgggag caggtggccc agctcaaaca gaaggctatg acccagctca gcaacggctg 1260
tcagctgctg cttgggggtca agggacacgc cttctgaacg tcccctgcc ctttacggac 1320
accccctcgc ttggacggct gggcac acgc ctcccactgg ggtccaggga gcaggcgggtg 1380
ggcaccaccc ctgggacctt ggggcgcgcg aaaccacact ggactccggc ccccctacct 1440

104/292

```

tgcgcccagt ccttccacct cgacgtttac aagccccccc ttccactttt ttttgatatgt 1500
tttttttctg ctggaaacag actcgattca tattgaatat aatataatttg tgtattttaac 1560
agggaggggga agagggggcg atcgcggcgg agctggcccc gccgcctggt actcaagccc 1620
gcggggacat tgggaagggg acccccgcgc cctgccctcc cctctctgca ccgtactgtg 1680
gaaaagaaac acgcacttag tctctaaaga gtttatttta agacgtgttt gtgtttgtgt 1740
gtgtttgttc tttttattga atctatttaa gtaaaaaaaa aattggttct ttattaa 1797

```

<210> 156

<211> 335

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(335)

<223> 3' terminal sequence. cellular retinoic acid-binding protein 2 (CRABP2) gene.

<400> 156

```

aagcatttta ataaaattaa caaataaata ttctaaactg tataggctac agggacaaaag 60
ggtagaagct agaggggccag tctttcctgc tcaggccctc aagtcacctt tagagagacc 120
ctgctctggg ctggtttggg gctaggactg ctgacttggg gaggcgggga gtgaaccggg 180
aatgggtgat ctgggctctt gcagccattc ctctttgttg gtgtagggga ggagagaaga 240
ggtcaaagaa agcaagaccc tgcaagaggc atcccagtga cccccagaag tgactggggg 300
aaggggagcg ctatcctagg anggtggggg tgggt 335

```

<210> 157

<211> 481

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(481)

<223> 5' terminal sequence. cellular retinoic acid-binding protein 2 (CRABP2) gene.

<400> 157

```

gcctggactt gtcttgggtt ccagaacctg acgacccggc gacgcgacgt ctct tttgac 60
taaaagacag tgtccagtgc tccagcctag gagtctacgg ggaccgcctc ccgcgcgcgc 120
accatgcccc acttctcttg caactggaaa atcatccgat cggaaaactt cgaggaattg 180
ctcaaagtgc tnggggtgaa tgtgatgctg aggaagattg ctgtggctnc agcgtocaag 240
ccagcagtn gacatcaaaca ggaggagac act ttctaca tcaaaacctc caccaccgtg 300
cggcaccaca gagattaact tcaaggttng ggaggagttt gagggagcag antgtgggtg 360
gggaggccct gtaagggagc ngggtgaaat ggggagagtg aggattaaat ggtcttttga 420
gcagaagttc ctgaagggng aggggcccc aacntcttg gacngagaa ttnccccacg 480
t 481

```

<210> 158

<211> 969

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(969)

<223> cellular retinoic acid-binding protein 2
(CRABP2) gene.

<400> 158

```
agctttgagg ttgtccctgg acttgtcttg gttccagaac ctgacgaccc ggcgacggcg 60
acgtctcttt tgactaaaag acagtgtcca gtgtccagc ctaggagtct acggggaccg 120
cctcccgcgc cgccaccatg cccaacttct ctggcaactg gaaaatcatc cgatcggaaa 180
acttcgagga attgctcaaa gtgtctgggg tgaatgtgat gctgaggaag attgctgtgg 240
ctgcagcgtc caagccagca gtggagatca aacaggaggg agacactttc tacatcaaaa 300
cctccaccac cgtgcgcacc acagagatta acttcaaggt tggggaggag tttgaggagc 360
agactgtgga tgggaggccc tgtaagagcc tggtgaaatg ggagag tgag aataaaatgg 420
tctgtgagca gaagctcctg aagggagagg gcccacagac ctcgtaggac agagaactga 480
ccaacgatgg ggaactgatc ctgaccatga cggcggatga cgttgtgtgc accagggtct 540
acgtccgaga gtgagtggcc acaggtagaa ccgcggccga agcccaccac tggccatgct 600
caccgccctg cttcactgcc cct ccgtcc caccctcc ttctaggata gcgtccccct 660
taccccagtc acttctgggg gtcactggga tgctcttgc aggtcttgc tttctttgac 720
ctcttctctc ctcccctaca ccaacaaaga ggaatggctg caagagccca gatcacccat 780
tcgggttca ctcccgcct cccaagtca gcagtcctag ccccaaacca gccagagca 840
gggtctctct aaaggggact tgagggcctg agcaggaaag actggccctc tagcttctac 900
cctttgtccc tgtagcctat acagtttaga atatttattt gttaatttta ttaaaatgct 960
ttaaaaaaa 969
```

<210> 159

<211> 344

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(344)

<223> 3' terminal sequence. activin a receptor
type ii-like 1 (ACVRL1) gene.

<400> 159

```
cgcgntgga ggggaggtgg ccccgntcc gccgangaan tcgccccg cc acccgagag 60
cnncagagg gaccattgac cttgggctcc cccaggaaag gccttctgat gctgctgatg 120
gccttggtga ccaggggaga cctgtgaag ccgtctcggg gcccgctggt gacctgcaag 180
tgtgagagcc cacattgcaa ggggcctacc tgccgggggg cctgggtgca cagtagtgct 240
tgggtgcggg agggggggag gcacccc cag ggaacattcg gggntgcggg aantttgcac 300
agggagntct tgcagggggg gcgccccacc gatttcgttc aacc 344
```

<210> 160

<211> 416

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(416)
 <223> 5' terminal sequence. activin a receptor
 type ii-like 1 (ACVRL1) gene.

<400> 160
 gtcagtctcc cggaaccagg actgttcac cctcgaggag aagatcttga cggccacact 60
 ctcaccgtgc cacaagcccc gccacacttc gccatagcgc cttttccac acactccacc 120
 aaggcaacct gccgtngcca ctgtcctctg caccagggaa ggggagccct gagccactcc 180
 ctgtgggtgg cagtcaactgt ccagggaggt cccccaacat gctgttcgcc ctgcttcaga 240
 tgcttttcag ggatgaggat gggattttcc cagcttcgct gttgcagggc cacgttgctt 300
 tttccttgcc tncgttcggg acatggccac agggcccagg ggacaaccag g gggccacca 360
 gggggncag gcaanggcca agncacgggg ggcccagggt ttnaaggggc cagttt 416

<210> 161
 <211> 1970
 <212> DNA/RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(1970)
 <223> activin a receptor type ii-like 1 (ACVRL1)
 gene.

<400> 161
 aggaaacggt ttattaggag ggagtgggtg agctggggcca ggcaggaaga cgctggaata 60
 agaaacattt ttgtccagc ccccatccca gtcccgggag gctgcgcgc cagctgcgc 120
 gagegagccc ctcccgggt ccagcccgtt ccggggccgc gccggacc c agcccgcgt 180
 ccagcgttg cggtgcaact gcggccgcgc ggtggagggg aggtggcccc ggtccgcga 240
 aggetagcgc ccgcacccc gcagagcggg ccagagggga ccatgacctt gggctcccc 300
 aggaaaggcc ttctgatgt gctgatggcc ttggtgacct agggagacct tgtgaagccg 360
 tctcggggcc cgctgggtgac ctgcacg tgt gagagccac attgcaaggg gctactctgc 420
 cggggggcct ggtgcacagt agtgctggtg cgggaggagg ggaggcacc ccaggaacat 480
 cggggctgcg ggaacttgca caggagctc tgcaggggc gcccaccga gttcgtcaac 540
 cactactgct gcgacagcca cctctgcaac cacaacgtgt cctggtgct ggaggccacc 600
 caacctcctt cggagcagcc gggaacagat ggccagctgg cctgatcctt gggccccgtg 660
 ctggccttgc tggccctggt ggccctgggt gtccctgggc tgtggcatgt ccgacggagg 720
 caggagaagc agcgtggcct gcacagcgag ctgggagagt ccagtctcat cctgaaagca 780
 tctgagcagg ggcacacgat gttgggggac ctccctggaca gtgactg cac cacaggagg 840
 ggctcagggc tccccttctt ggtgcagagg acagtggcac ggcagggtgc cttggtggag 900
 tgtgtgggaa aaggccgcta tggcgaagt tggcggggct tgtggcacgg tgagagtgtg 960
 gccgtcaaga tcttctctc gagggatgaa cagtcctggt tccgggagac tgagatctat 1020
 aacacagtat tgcctagaca cgac aacatc ctaggcttca tgcctcaga catgacctcc 1080
 cgcaactcga gcacgcagct gtggctcatc acgcactacc acgagcacgg ctccctctac 1140
 gactttctgc agagacagac gctggagccc catctggctc tgaggctagc tgtgtccgcg 1200
 gcatgcggcc tggcgcacct gcacgtggag atcttcggta cacagggcaa accagccatt 1260
 gccacccgag acttcaagag ccgcaatgtg ctggtcaaga gcaacctgca gtgttgcatc 1320
 gccgacctgg gctggtgtg gatgactca cagggcagcg attacctgga catcggaac 1380
 aaccggagag tgggcaccaa gcgtacatg gcacccgagg tgctggacga gcagatccgc 1440
 acggactgct ttgagtccca caagtggact gacatctg gg cctttggcct ggtgctgtg 1500
 gagattgccc gccggacct cgtgaatggc atcgtggagg actatagacc acccttctat 1560
 gatgtggtgc ccaatgacct cagctttgag gacatgaaga aggtggtgtg tgtggatcag 1620
 cagaccccca ccatccctaa ccggtggct gcagaccgg tccctcagg cctagctcag 1680
 atgatgcggg agtgctggt cccaaacccc tctgcccgac tcaccgcgt gcggatcaag 1740
 aagacactac aaaaaattag caacagtcca gagaagccta aagtgattca atagcccagg 1800

107/292

```

agcacctgat tcctttctgc ctgcaggggg ctgggggggt ggggggcagt ggatgggtgcc 1860
ctatctgggt agaggtagtg tgagtgtggt gtgtgctggg gatgggcagc t gcgcctgcc 1920
tgctcgggcc ccagcccacc cagccaaaaa tacagctggg ctgaaacctg 1970

```

<210> 162
 <211> 407
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(407)
 <223> 5' terminal sequence. lim domain protein
 (RIL) gene.

```

<400> 162
gtgacctgc gggggccttc gccctggggc ttccgcctgg tngggccgng gacttcagcg 60
cgccctcac catctcacgg gtccatgctg gcagcaaggc tcatntggct gccctgtgcc 120
caggagacct gatccaggcc atcaatggtn agagcacaga gctcatgac a cacctggang 180
cacagaaccg catcaagggc tgccacgata acctcacact gtctgtgagc aggcctgagg 240
gcaggagctg gccagtgccc cctgatgaca gcaaggctca ggcacacagg atccacatcg 300
ntcctgagat ccaggacggc agcccaacaa ccagcaggcg gccctcaggc accgggactt 360
gggccagaag atnggcagan caagnct ggg gtttttncat atggaca 407

```

<210> 163
 <211> 1130
 <212> DNA/RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(1130)
 <223> lim domain protein (RIL) gene.

```

<400> 163
tgagagtccg gctcaggctc cggctgcggc tccagcccg gatgcccac tccgtgacct 60
tgcgcgggcc ttgcgcctgg ggcttcggcc tgggtgggccc ggacttcagc gcgcccctca 120
ccatctcacg ggtccatgct ggcagcaagg cctcattggc tgccctgtgc ccaggagacc 180
tgatccaggc catcaatggt gagagcacag agctcatgac acacctg gag gcacagaacc 240
gcatcaaggc ctgccacgat cacctcacac tgtctgtgag caggcctgag ggcaggagct 300
ggcccagtcg ccctgatgac agcaaggctc aggcacacag gatccacatc gatcctgaga 360
tccaggacgg cagcccaaca accagcaggc ggccctcagg caccgggact gggccagaag 420
atggcagacc aagcctggga tctcc atatg gaaaaccccc ttgctttcca gtccctcaca 480
atggcagcag cgaggccacc ctgccagccc agatgagcac cctgcatgtg tctccacccc 540
ccagcgctga ccagcagag gcctcccgcg gagccgggag cagagtcgac ctgggctccg 600
aggtgtacag gatgctgcgg gagccggccg agcccgtggc cgcggagccc aagcagtcag 660
gtccttccg ctacttgacg ggcattgtag aggcgggcca gggcggggat tggcccgggc 720
ctggcgggcc ccggaacctc aagcccacgg ccagcaagct gggcgctccg ctgagcggcc 780
tgcagggggt gcccgagtcg acgcgctgct gccacggaat cgtgggcacc atcgtaagg 840
aacgggacaa gctctacct cccgagtgtc tcatgtgcag tgact gcggc ctgaacctca 900
agcagcgtgg ttactttctt ctggacgagc ggctctactg tgagagccac gccaaaggcg 960
gggtgaagcc gcccgagggc tacgacgtgg tggcggtgta ccccaatgcc aaggtggaac 1020
tcgtctgagc tgggacctg ctcccacccc tgcttcttaa ggtccctgct cggccggtgt 1080

```


aaataatgttt caccctgtcc c tctaataaa gctcctctgc tcaaaaaaaaa

1130

<210> 164

<211> 310

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(310)

<223> 5' terminal sequence. shc (src homology 2 domain-containing) transforming protein 1 (SHC1) gene.

<400> 164

anattcggaa cgagggatcc ctctatgtc aacgtccaga acctagacaa ggccccggcaa 60
gcagtgggtg gtgctgggccc cccaatcct gctatcaatg gcagtgcacc ccgggacctg 120
tttgacatga agcccttcga agatgctctt cgcgtgc ctc cacctcccca gtgggtgtcc 180
atgnetgagc agctccgagg ggagccctgg gttccatggg aagctgagcc ggccgggaggc 240
tgaggcactg ctggcagctt caatggggat ttccnggtac gggagagcac gaccacacng 300
gggcaatatg 310

<210> 165

<211> 3664

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(3664)

<223> shc (src homology 2 domain -containing) transforming protein 1 (SHC1) gene.

<400> 165

atggggcctg aaactgtctg ggtctgagct ggggagcgga agccacttgt ccctctccct 60
ccccaggact tctgtgactc ctgggccaca gaggtccaac cagggttaagg gcctggggat 120
acccctgcc tggccccctt gccaaaactg gcaggggggc caggctgggc agcagccctt 180
ctttcacctc aactatggat ctctgccc ccaagcccaa gtacaatcca ct ccggaatg 240
agtctctgtc atogctggag gaaggggctt ctgggtccac cccccggag gagctgcctt 300
ccccatcagc ttcatccctg gggcccatcc tgcctctctt gcctggggac gatagtccca 360
ctaccctgtg ctcttcttc ccccgatga gcaacctgag gctggccaac ccggtgggg 420
ggcgcccagg gtctaagggg gagccaggaa gggcagctga tgatggggag gggatcgatg 480
gggcagccat gccagagtca ggccccctac ccctctcca ggacatgaac aagctgagtg 540
gaggcggcgg gcgcaggact cgggtggaag ggggccagct tgggggcgag gagtggacct 600
gccacgggag ctttgtcaat aagcccacgc ggggctggct gcaccccaac gacaaagtca 660
tgggaccogg ggttctctac ttggttcggg acatgggttg tgtggagggt ctccagtgaa 720
tgcgtgccct ggacttcaac acccgactc aggtcaccag ggaggccatc agtctggtgt 780
gtgaggtgt cccgggtgct aaggggcgca caaggaggag aaagccctgt agccgcccgc 840
tcagctctat cctggggagg agtaacctga aatttgcttg aatgccaatc actctaccg 900
tctccaccag cagcctcaac ctcatggcgg cagactgcaa acagatcatc gccaacacc 960
acatgcaatc tatctcattt gcacccggcg gggatccgga cacagccgag tatgtcgct 1020
atgttgccaa agaccctgtg aatcagagag cctgccacat tctggagtgt cccgaagggc 1080
ttgccaggga tgtcatcagc accattg gcc aggccttcga gttgcgcttc aaacaatacc 1140

```

tcaggaaccc acccaaactg gtcacccctc atgacaggat ggctggcttt gatggctcag 1200
catgggatga ggaggaggaa gagccacctg accatcagta ctataatgac ttcccgggga 1260
aggaaccccc cttggggggg gtggtagaca tgaggcttcg ggaaggagcc gctccagggg 1320
ctgctcgacc cactgcaccc aatgcccaga ccccagcca cttgggagct acattgcctg 1380
taggacagcc tgttggggga gatccagaag tccgcaaaca gatgccacct ccaccacct 1440
gtccaggcag agagcttttt gatgatccct cctatgtcaa cgtccagaac ctagacaagg 1500
cccgcaagc agtgggtggt gctgggcccc ccaatcctgc tatcaatggc agtgaccccc 1560
gggacctgtt tgacatgaag cccttcgaag atgctcttcg ggtgcctcca cctccccagt 1620
cgggtgtccat ggctgagcag ctccgagggg agccctggtt ccatgggaag ctgagccggc 1680
gggaggctga ggcactgctg cagctcaatg gggacttctt ggtacgggag agcacgacca 1740
cacctggcca gtatg tgctc actggcttgc agagtgggca gcctaagcat ttgctactgg 1800
tggacctga ggggtgtggt cggactaagg atcaccgctt tgaaagtgtc agtcacctta 1860
tcagctacca catggacaat cacttgccca tcctctctgc gggcagcgaa ctgtgtctac 1920
agcaacctgt ggagcggaaa ctgtgatctg ccctagcgct ctcttcaga agat gccctc 1980
caatcctttc caccctattc cctaactctc gggacctcgt ttgggagtgt tctgtgggct 2040
tggccttggt tcagagctgg gagtacatg gactctgggt ttcatatcca gctgagttag 2100
agggtttgag tcaaaagcct gggtgagaat cctgcctctc cccaaacatt aatcaccaaa 2160
gtattaatgt acagagtggc ccctcacctg ggcctttcct gtgccaacct gatgccctt 2220
ccccaagaag gtgagtgtt gtcatggaaa atgtcctgtg gtgacaggcc cagtggaaaca 2280
gtcacccctc tgggcaaggg ggaacaaatc acacctctgg gcttcagggt atcccagacc 2340
cctctcaaca cccgcccccc ccatgtttta actttgtgcc tttgaccatc tcttaggtct 2400
aatgatattt tatgcaaaaa gttcttgga cctgaattc ttcaatgaca gggatgcca 2460
caccttcttg gcttctggga cctgtgttct tgctgagcac cctctccggt ttgggttggg 2520
ataacagag caggagtggc agctgtcccc tctccctggg gatatgcaac ccttagagat 2580
tgccccagag cccactccc ggccaggcgg gagatggacc cc tcccttgc tcagtgcctc 2640
ctggccgggg cccctcacc caaggggtct gtatatacat ttcataaggc ctgccctccc 2700
atgttgcatg cctatgtact ctgcgcaaaa gtgcagccct tctcctgaa gcctctgcc 2760
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actctcccag gtggatt ttg tggaggtgag aaaaggggca ttgagactat aaagcagtag 2880
acaatcccca cataccatct gtagagtttg aactgcattc ttttaaagtt ttatatgcat 2940
atatttttag gctgctagac ttactttcct attttcttt ccattgctta ttcttgagca 3000
caaatgata atcaattatt acatttatac atcacctttt tgacttttcc aagccc tttt 3060
acagctcttg gcattttcct cgcctaggcc tgtgaggtaa ctgggatcgc accttttata 3120
ccagagacct gaggcagatg aaatttatct ccatctagga ctagaaaaac ttgggtctct 3180
taccgcgaga ctgagaggca gaagtcagcc cgaatgcctg tcagtttcat ggaggggaaa 3240
cgcaaaacct gcagttcctg agtaccttct acaggcccg cccagcctag gcccggggtg 3300
gccacaccac agcaagcgg cccccctct tttggccttg tggataaggg agagttgacc 3360
gttttcatcc tggcctcctt ttgctgtttg gatgtttcca cgggtctcac ttataccaaa 3420
gggaaaactc ttcattaaag tccgtatttc ttctaaaaaa aaaaaaaaaa aaatacatct 3480
atacatcacc tttttgactt ttccaagccc ttttacagct cttggcattt tctcgccta 3540
ggcctgtgag gtaactggga tcgcaacttt tataccagag acctgaggca gatgaaattt 3600
atttccatct aggactagaa aaacttggt ctcttaccgc gagactgaga ggcagaagtc 3660
agcc 3664

```

<210> 166

<211> 449

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(449)

<223> 3' terminal sequence.

glyceraldehyde-3-phosphate dehydrogenase (GAPD)
gene.

<400> 166

110/292

```

gagcacaggg tncctttattg atggtacatg acaaggtgcg gctccctagg cccctcccct 60
cttcaagggg tctacatgga aactgtgagg aggggagatt cagtgtgggtg ggggactgag 120
tntggcaggg actccccagc agtgagggtc tctctcttcc tcttgtgctc ttgctggggc 180
tgggtgggtcca ggggtcttac tccctggagg ccatgtgggc atgaggtcca ccacctgtt 240
gctgtagcca aattcgttgt cataccagg aaatgagctt gacaaagtgg tcgttgaggg 300
caatgccagc cccagccttc gaaggtggag gantgggttt cgcctnttgaa gtcagaggag 360
accacctggg tgcctcagttt agcccaggga tgcccttgag ggggcccctcc gacgttt ttt 420
tcaccacctt ttgatntca tcatntttt 449

```

<210> 167

<211> 467

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(467)

<223> 5' terminal sequence.

glyceraldehyde-3-phosphate dehydrogenase (GAPD)
gene.

<400> 167

```

tgttcgacag tcagccgcat cttcttttgc gtgcgcagcc gagccacatc gctgagacac 60
catggggaag gtgaaggctg gagtcaacgg atttgggtcgt attgggcgcc tggtcaccag 120
ggctgctttt aactctggta aagtggata t tgttgccatc aatgaccctc tcattgacct 180
caactacatg gtttacctgt tccaatatga ttccacccat gggcaaattc catgggcacc 240
gtcaaggctg agaacgggaa gcttgtcatc aatgggaaat cccattcacc atcttcagg 300
gagcgagatc cctccaaaat tcaagtgggg ggcgatgctg ggcgcttgag ttacgttcgt 360
gggagttcca ctgggccttc tttcaaccac ccttgagaaa gggtttgggg gttcattttt 420
caaggggggg gagcccaaan gggcttctcat tttttggccc ctttttt 467

```

<210> 168

<211> 316

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(316)

<223> 3' terminal sequence. desmin (DES) gene.

<400> 168

```

ggcttggtgtt tnttntctct ttattgtttc tctccagagc cctgcagca ggggagggga 60
ggcggtgggg aggtgggcgc cctcccacc agcctgagac cgctctctgc ctctctctc 120
tctctctctc tccagcatct cac ccacttt ctctccttct naatctcctg ctcccacctc 180
cagcaccttc ggggattccc tctttagacc cctgctttct aagtcacccc ggggctgggg 240
aaaggaaagt aagagaccac ggggacaatt tcaagcccc cagntccac aggggctagt 300
ccctgggnt acctgc 316

```

<210> 169

<211> 440

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(440)

<223> 5' terminal sequence. desmin (DES) gene.

<400> 169

```
atctcccat ccagacctac tctgacctca acttccgag a aaccagccct gagcaaagg 60
gttctgaggt ccataccaag aagacggtga tgatcaagac catcgagaca cgggatggg 120
aggctgctcag tgaggccaca cagcagcagc atgaagtgt ctaaagacag agaccctctg 180
ccaccagaga ccgtccctcac cctgtcctc actgctccct gaagccagcc ttcttccatc 240
ccagggacac cacaccca gc cttcagtct ccccttcaca gcctctggac cctccctcac 300
tgggcatctc cctcgtggtt ccccaacagc ggacatagc ccctccttgc tgggttcaca 360
ggggcatggc cccggggccac ttnttgcggg aacccagtt gttgaggctt tgggtgtttg 420
ggcagttgag ttgaggcttt                                     440
```

<210> 170

<211> 2218

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(2218)

<223> desmin (DES) gene.

<400> 170

```
cctcgccgca tccactctcc ggccggccgc ctgcccgcgc cctccctcc gt ggcggccgca 60
gcctcgcccg cgccgtcacc atgagccagg cctactcgtc cagccagcgc gtgtccctct 120
accgcccac cttcgccggc gcccccgggt tcccgcctcg ctccccgctg agctcgcccg 180
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```

<210> 171

<211> 367

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(367)

<223> 5' terminal sequence. casein kinase 2, beta polypeptide (CSNK2B) gene.

<400> 171

```

gatccacgcc cgctacatcc ttaccaaccg tggcatcgcc agatgttggg aaagtaccag 60
caaggagact ttggttactg tctcgtgtg tactgtgaga accagccaat gcttcccatt 120
ggcctttcag acatcccagg tgaagccatg gtgaagctct actgccccaa gtgcatggat 180
gtgtacacac ccaagtcac cagacacccat cacacggatg ggccctac t ttcggcactg 240
gtttccctca catgtctctc atgggtgcat cccaggtacc ggccaaggg gaccttgcca 300
accagtttgt gccaggggtt ttacggtttt caaggttcca tncgggtggg cttaccagggt 360
tgcaggt 367

```

<210> 172

<211> 1128

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(1128)

<223> casein kinase 2, beta polypeptide (CSNK2B) gene.

<400> 172

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accggggact cgtgtcccg gcatccaccg cggcacctga cccttggcgc ttgcgtgttg 180
cctcttccc caccctccct aatttccact cccccaccc cacttcgcct gccgcggtcg 240
ggtcgcgggc ctgcgtgta gcgg tcgccg cgttccctg gaagtagcaa cttccctacc 300
ccacccagct cctgggtccc gtccagccgc tgacgtgaag atgagcagct cagaggaggt 360
gtcctggatt tcctggttct gtgggtcccg tggcaatgaa ttcttctgtg aagtggatga 420
agactacatc caggacaaat ttaattctac tggactcaat gagcagggtcc ctactatcg 480
acaagctcta gacatgatct tggacctgga gcctgatgaa gaactggaag acaaccccaa 540

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ccagagtgc ctgattgagc aggcagccga gatgctttat ggattgatcc acgcccgccta 600
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ttactgtcct cgtgtgtact gtgagaacca gccaatgctt ccca ttggcc ttccagacat 720
cccaggtgaa gccatgggtga agctctactg ccccagtgca atggatgtgt acacacccaa 780
gtcatcaaga caccatcaca cggatggcgc ctacttcggc actggtttcc ctcacatgct 840
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```

<210> 173

<211> 475

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(475)

<223> 3' terminal sequence. golgi apparatus
protein 1 (GLG1) gene.

<400> 173

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cggaagtctt gttggnatga gagagacttg tctacaggca ggnaaaccca agtttgccaa 120
acaaaggcag taaccccagc gaccagctgc tgctgctgca cggtagggag gaggaggaca 180
ccatggacac gagtggaggc tggatgggac aacgcagtgg acatctgcta atg ctctaac 240
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ccgtccnttg agctctngtg tncactnccg ttgggggatc cntcccaca cattcagggc 420
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```

<210> 174

<211> 483

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(483)

<223> 5' terminal sequence. golgi apparatus
protein 1 (GLG1) gene.

<400> 174

```

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ccagatccga atcattatcc aggagtcgcg cctggactac cgccctggatc ctcagctcca 120
gctgcactgc tcagacgaga tctccagtct atgtgctgaa gaagcagcag cccaagagca 180
gacaggtcag gtggaggagt gcc tcaaggt caacctgctc aagatcaaaa cagaattgtg 240
taaatnggaa gtgctaaaca tgctgaagga aagcaaagca gacatctttg ttgaccgggt 300
acttcatact tgcttggtgc ctgggacatt aaacaccact gcgcagcatt caccctgggc 360
cgcgggcggt caaattgttc ctgtnttcat gggaaggcac tgggaggggt aaggcgggtt 420
gaggtttaca gcccgagttg caaaaaggcg cttcattgac ccggtttgag gtgttggtt 480
ttt 483

```

<210> 175
<211> 3909
<212> DNA/RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(3909)
<223> golgi apparatus protein 1 (GLG1) gene.

<400> 175
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ccagggcgtc ccacagccag ggccagggtc cgggggcca ctttgtgtcc ttctagggc 180
aggccggagg cggcggcccg gcgggtcagc agctgcccc gctgcctcag tcctgcagc 240
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tcccggcggg tgggcctccg cggcggggag gagcgggggc tgggggggc tggag ctgg 360
cggaggaaga gtccctgcag gaggacgtga cccgcgtgtg ccctaagcac acctggagca 420
acaacctggc ggtgctcgag tgccctgcag atgtgaggga gcctgaaaat gaaatttctt 480
cagactgcaa tcatttgttg tggaattata agctgaacct aactacagat cccaaatttg 540
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aacgggttgg aaaaggttac atggtttctt gcttagtgga tcacggaggc aacatcactg 660
agtatcagtg tcaccagtac attaccaaga tgacggccat catttttagt gattaccgtt 720
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aaaccacca
3909

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<210> 176

<211> 390

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(390)

<223> 5' terminal sequence. endothelin receptor
type b (EDNRB) gene.

<400> 176

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390

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<210> 177

<211> 4286

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(4286)

<223> endothelin receptor type b (EDNRB) gene.

<400> 177

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 aacttggctc tgaaactgcg cagcggccac cggacgcctt ctggagcagg tagcagcatg 240
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```

tttaaaaaaa atgtttgatt caaaacttta acatactgat aagtaagaaa caattataat 3720
ttctttacat actcaaaacc aagatagaaa aagggtgctat cgttcaactt caaaacatgt 3780
ttcctagtag taaggacttt aatatagcaa cagacaaaat tattgttaac atgg atgta 3840
cagctcaaaa gatttataaa agattttaac ctattttctc cttattatc cactgcta 3900
gtggatgtat gttcaaacac cttttagtag tgatagctta catatggcca aaggaatata 3960
gtttatagca aaacatgggt atgctgtagc taactttata aaagtgtaat ataacaatgt 4020
aaaaaattat atatctggga ggatttttt g gttgcotaaa gtggctatag ttactgattt 4080
tttattatgt aagcaaaacc aataaaaatt taagtttttt taacaactac cttatttttc 4140
actgtacaga cactaattca ttaaatacta attgattgtt taaaagaaat ataaatgtga 4200
caagtggaca ttatttatgt taaatataca attatcaagc aagtatgaag ttattcaatt 4260
aaaatgccac atttctgggc tctggg 4286

```

<210> 178

<211> 462

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(462)

<223> 3' terminal sequence. gran zyme b (granzyme
2, cytotoxic t-lymphocyte-associated serine
esterase 1) (GZMB) gene.

<400> 178

```

acancagaga tccatttatt acagtcctgc aaccccgact gccaccacct tgggaattct 60
tgcctctgtc ccagagatgg tcaggcccag aggaaggta gtctcatgcc tgctgttaga 120
ggcgnttcac tggtctcttt atccagggca ggaagtntga gaccttgatg tagactcctg 180
ggggtgtccc tttttgttt ccataggaga gaataccttg ggctangtcc ttacananga 240
ggggccccc ggagttcccc cttgaaaccg gtctgtgtct tctttggatc cccacacaa 300
atntcagtag gctctgctgt aattgccatg ggaaggagac ggttcac ant gggcagttcc 360
ttctgcactn ttcaggaaca atttcctgaa gtgtgggttg ctaaagtgtc cattgagaaa 420
taaccccagg ccaggccaaa ttgaaaagtt gcctgggntt tt 462

```

<210> 179

<211> 960

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(960)

<223> granzyme b (granzyme 2, cytotoxic
t-lymphocyte-associated serine esterase 1) (GZMB)
gene.

<400> 179

```

agcagctcca accagggcag ccttcctgag aagatgcaac caatcctgct tctgctggcc 60
ttctctctgc tgcccagggc agatgcagg gagatcatcg ggggacatga ggccaagccc 120
cactcccgcc cctacatggc ttatcttatg atctgggac agaatgtct gaagaggtgc 180
ggtggcttcc tgatacaaga cgacttcgtg ctgacagctg ctactgttg gggaagctcc 240
ataaatgtca ccttgggggc ccacaatatc aaagaacagg agcc gacca gcagtttata 300
cctgtgaaaa gacccatccc ccattccagc tataatccta agaacttctc caacgacatc 360

```

118/292

```

atgctactgc agctggagag aaaggccaag cggaccagag ctgtgcagcc cctcaggcta 420
cctagcaaca agggccagggt gaagccaggg cagacatgca gtgtggccgg ctggggggcag 480
acggccccc tgggaaaaca ct cacacaca ctacaagagg tgaagatgac agtgcaggaa 540
gatcgaaagt gcgaatctga cttacgccat tattacgaca gtaccattga gttgtgcgtg 600
ggggacccag agattaaaaa gacttccttt aagggggact ctggaggccc tcttgtgtgt 660
aacaaggtgg ccaggggcat tgtctcctat ggacgaaaaca atggcatgcc tccacgagcc 720
tgcaccaaag tctcaagctt tgtacactgg ataaagaaaa ccatgaaacg ctactaacta 780
caggaagcaa actaagcccc cgctgtaatg aaacaccttc tctggagcca agtccagatt 840
tacactggga gaggtgccag caactgaata aatacctctc ccagtgtaaa tctggagcca 900
agtccagatt tacactggga gaggtgccag caactgaata aa tacctctt agctgagtgg 960

```

<210> 180

<211> 471

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(471)

<223> 3' terminal sequence. fibroblast growth
factor receptor 1 (fms -related tyrosine kinase 2,
pfeiffer syndrome) (FGFR1) gene.

<400> 180

```

tnaagcagca gcaattttta ttgagggacc taaactgaaa ataggtttag aacataatatt 60
aaaaaaataa aacagcaaaa gtagcaaaaa atatatgacc tttttaaaaa cattttcctt 120
ttttttcttt tttgttttta atatatagca actga tgcct cccagccacc agngncatct 180
taccgatgg gtaaattctt ggtaacgacc cttttaaaaa gacatgtaaa tatatactca 240
gntttataca ctttgtgttt tcttcatagc tatntacaga gccccagtt tgggctgggc 300
cagggggcan caacactgcc cccaacctgg gccttcgcct caccatcttc tgggtaccgg 360
gcntttgggt caggcaaagc aaactagtnt cgggtttatt angccactgg naccaccttt 420
ttgggggcag aggtcacctt cattcgaggg cacgangcac tgacctcctt t 471

```

<210> 181

<211> 463

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(463)

<223> 5' terminal sequence. fibroblast growth
factor receptor 1 (fms -related tyrosine kinase 2,
pfeiffer syndrome) (FGFR1) gene.

<400> 181

```

gctttgtctc cagccacttc atccccctcc agatgttga ccaacacccc tccctgccac 60
caggactgcc tgangggagg agtgggagcc aatgaacagg catgcaagt agagcttctt 120
gagctttctc ctgtcggttt ggtctgtttt gccttcaccc ataagccct cgcactntgg 180
tggcaggtgc cttgtcctca gggctacagc agtagggagg tcagtgcctc gtgcctcgat 240
tgaaggtgac ctctgcccc gataggtggg gccagtggct ttattaat tc cgatactagt 300
ttgctttgct gaccaaagtc ctgggtacca gaggatgggt aggcgaaggc aggttggggg 360
cagtgttgtg gccngggggc agcccaaac tgggggcttc tgtatatagc tattgaagaa 420

```

119/292

aacacaaatg tattaatctg agtatatatt ttacatgtnt ttt

463

<210> 182

<211> 4066

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(4066)

<223> fibroblast growth factor receptor 1

(fms-related tyrosine kinase 2, pfeiffer syndrome)

(FGFR1) gene.

<400> 182

```
cctcttgcgg ccacaggcgc ggcgtcctcg gcggcgggcg gcagctagcg ggagccggga 60
cgccggtgca gccgcagcgc gcggaggaac ccgggtgtgc cgggagctgg gcggccacgt 120
ccggacggga ccgagacccc tcgtagcgca ttgcggcgac ctgccttcc ccggccgcga 180
gcgcgcgcgt gcttgaaaag ccgcggaacc caa ggacttt tctccggtcc gagctcgggg 240
cgccccgcag gcgcacggta cccgtgctgc agtcgggcaac gccgcggcgc cgggggcctc 300
cgcagggcga tggagccggt ctgcaaggaa agtgaggcgc cgccgctgcg ttctggagga 360
ggggggcaca aggtctggag accccgggtg gcggaacggga gccctcccc ccgccgcct 420
ccggggcacc agctccggct ccattgttcc cgcccggtg ggaggcgccg agcaccgagc 480
gccgcgggga gtcgagcgcc gccgcgggag ctcttgcgac ccgcgccgga cccgaacaga 540
gcccgggggc gccggggcgg agccggggac gcgggcacac gcccgctcgc acaagccacg 600
gcggactctc ccgaggcgga acctccacgc cgagcgaggg tcagtttgaa aag gaggatc 660
gagctcactg tggagtatcc atggagatgt ggagccttgt caccaacctc taactgcaga 720
actgggatgt ggagctgga gtgcctctc ttctgggctg tgctggtcac agccacactc 780
tgcaccgcta gcccggtgcc gacctgtcct gaacaagccc agccctgggg agccctgtg 840
gaagtggagt ccttctctgt ccaccgggt g acctgctgc agttgcgctg tcggctgctg 900
gacgatgtgc agagcatcaa ctggtgctgc gacgggtgac agctggcgga aagcaaccgc 960
acccgcatca caggggagga ggtggagggt caggactccg tgcccgcaga ctccggcctc 1020
tatgcttgcg taaccagcag cccctcgggc agtgacacca cctacttctc cgtcaatggt 1080
tcagatgctc tcccctctc ggaggatgat gatgatgat atgactctc ttccagaggag 1140
aaagaaacag ataacacaa accaaaccgt atgcccgtag ctccatattg gacatcccc 1200
gaaaagatgg aaaagaaatt gcatgcagt ccggtgcca agacagtga gttcaaatgc 1260
ccttccagtg ggaccccaa cccacactg cgctggttga aaaatgg caa agaattcaaa 1320
cctgaccaca gaattggagg ctacaaggtc cgttatgcca cctggagcat cataatggac 1380
tctgtggtgc cctctgacaa gggaactac acctgcattg tggagaatga gtacggcagc 1440
atcaaccaca cataccagct gcatgtctg gagcgtccc ctaccggcc catcctgcaa 1500
gcagggttgc ccgccaacaa a acagtggcc ctgggtagca acgtggaggt catgtgtaag 1560
gtgtacagtg accgcagcc gcacatccag tggctaaagc acatcgaggt gaatgggagc 1620
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accgacaaag agatggaggt gcttcactta agaaatgtct cctttgagga cgcaggggag 1740
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ctggaagccc tggagagag gccggcagt atgacctcgc cctgtacct ggagatcatc 1860
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aagagcatcc ctctgcgcag acaggtaaca gtgtctgctg actccagtgc atccatgaac 2040
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ggggtctctg agtatgagct tccgaagac cctcgctggg agctgcctcg ggacagactg 2160
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gtcatcgtgg agtatgcctc caagggaac ctgcgggagt acctgcaggc ccggaggccc 2460
ccagggtctg aatactgcta caaccacgc cacaaccagc aggagcagct ctctccaaag 2520
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120/292

```

gacctggtgt cctgcgccta ccaggtggcc cgaggcatgg agtatctggc ctccaagaag 2580
gtgtggaacc tgaaggetcc cct ggtgcat acaccgagac ctggcagcca ggaatgtcct 2640
ggtgacagag gacaatgtga tgaagatagc agacttttggc ctgcacaggg acattcacca 2700
catcgactac tataaaaaaga caaccaacgg cgcactgcct gtgaagtggg tggcacccga 2760
ggcattattt gaccgatctt acaccacca gagtgatgtg tggcttttcg ggtgtctcct 28 20
gtgggagatc ttcactctgg gcggctcccc ataccocggg gtgocctgtgg aggaactttt 2880
caagctgctg aaggagggtc accgcatgga caagcccagt aactgcacca acgagctgta 2940
catgatgatg cgggactgct ggcattgcagt gccctcacag agaccacact tcaagcagct 3000
ggtggaagac ctggaccgca tcgtggcctt gacctcc aac caggagtacc tggacctgtc 3060
catgcccctg gaccagtact ccccagctt tcccagacc cggagctcta cgtgtctctc 3120
aggggaggat tcggtcttct ctcatgagcc gctgcccag gagccctgcc tgcccgcaca 3180
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ccagactcca ccgtcagctg taaccctcac ccacagcctg ctgggcccac cacctgtccg 3300
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gctatgaaga aaacacaaag tgtataaatc tgagtatata ttacatgtc tttttaaaag 3900
ggtcgtttacc agagattttac ccacgggta agatgctcct ggtggctggg aggcacagt 3960
tgctatatat taaaaacaaa aaagaaaaaa aaggaaaatg tttttaaaaa ggtcatatat 4020
tttttgctac ttttgctgtt ttattttttt aaattatgtt ctaaac 4066

```

<210> 183

<211> 415

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(415)

<223> 5' terminal sequence. protein phosphatase 2
(formerly 2a), catalytic subunit, alpha isoform
(PPP2CA) gene.

<400> 183

```

cagttatata cctccatcac tagctggtga gctctagaca ccaacgtgag gccattggat 60
tgattaaatg tctcagaaat atcttgccca aagggtgtaac cagctcctcg aggagatata 120
ccccaaccac cacggctcatc tggatctgac cacagcaagt cacacattgg accctcatgg 180
ggaacttctt gtagcgatc aagtgtcttg atatgatcca gtgtat ctat agatggcgag 240
agaccacat gttagacagaa gatctgccc tccaccaagg cagtgaagg aagatagtca 300
aaaagatctg taaaatattt ccaaacattt ggcatttcca tattttctta aacattcatt 360
ctaggaaacc ttaaacctgt gtgnatctgt cnggtcttct ggtttccctg gagga 415

```

<210> 184

<211> 2181

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(2181)
 <223> protein phosphatase 2 (formerly 2a),
 catalytic subunit, alpha isoform (PPP2CA) gene.

<400> 184
 agagagccga gctctggagc ctcagcgagc ggaggaggag gcgcagggcc gacggccgag 60
 tactgcggtg agagccagcg ggccagcgcc agcctcaaca gccgccagaa gtacacgagg 120
 aaccggcggc ggctgtgtcg ttagggcccg tgtgcgggcg gcggcgcggg aggagcgcg 180
 agcggcagcc ggctggggcg ggtggcatca tggacgagaa ggtgttcacc aa ggagctgg 240
 accagtggat cgagcagctg aacgagtgc aagcagctgtc cgagtcccag gtcaagagcc 300
 tctgcgagaa ggctaaagaa atcctgacaa aagaatccaa cgtgcaagag gttcgatgtc 360
 cagttactgt ctgtggagat gtgcatggc aatttcatga tctcatggaa ctgtttagaa 420
 ttgggtggcaa atcaccagat acaaattact tgtttatggg agattatgtt gacagaggat 480
 attattcagt tgaacacagtt aactgcttg tagctcttaa ggttcgttac cgtgaacgca 540
 tcaccattct tcgagggaaat catgagagca gacagatcac acaagttat ggtttctatg 600
 atgaatgttt aagaaaatat ggaaatgcaa atgtttggaa atatittaca gatctttttg 660
 actatcttcc tctcactgcc ttgggtggatg ggcagatctt ctgtctacat ggtggtctct 720
 cgccatctat agatacactg gatcatatca gagcacttga tcgcctacaa gaagttcccc 780
 atgagggtcc aatgtgtgac ttgctgtggt cagatccaga tgaccgtggt ggttggggta 840
 tatctcctcg aggagctggt tacacctttg ggcaagatat ttctgagaca tttaatcatg 900
 ccaatggcct cacgttggtg tctagagctc accagctagt gatggaggga tataactggt 960
 gccatgaccg gaatgtagta acgattttca gtgctccaaa ctattgttat cgttgtggta 1020
 accaagctgc aatcatggaa cttgacgata ctctaaaata ctctttcttg cagtttgacc 1080
 cagcacctcg tagaggcgag ccacatg tta ctgctgtac ccagactac ttctgtaat 1140
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 gagcaacagt aactccaaag tgtcagaaaa tagttaacat tcaaaaaact tgttttcaca 1260
 tggacaaaaa gatgtgccat ataaaaatac aaagcctctt gtcatacaaa gccgtgacca 1320
 ctttagaatg aaccagttca ttgcatgctg aagcgacatt gttggtcaag aaaccagttt 1380
 ctggcatagc gctatttgtg gttacttttg ctttctctga gagactgcag ataataagat 1440
 gtaaacatta acacctcgtg aatacaattt aacttccatt tagctatagc ttactcagc 1500
 atgactgtag ataaggatag cagcaaaacaa tcattggagc ttaatgaaca tttttaaaaa 1560
 taattaccaa ggctccctt ctacttgtga gttttgaaat tgttcttttt attttcaggg 1620
 ataccgttta atttaattat atgatttgc tgcactcagt ttattcccta ctcaaatctc 1680
 agcccatgt tgttctttgt tattgtcaga acctggtgag ttgttttgaa cagaactggt 1740
 ttttccctt cctgtaagac gatgtgactg cacaagagca ctgcagtgtt tttcataata 1800
 aacttgtgaa ctaagaactg agaaggtcaa attttaattg tatcaatggg caagactggt 1860
 gctgtttatt aaaaaagtta aatcaattga gtaaatTTTA gaattttag actttaggt 1920
 aaaataaaaa tcaagggcac tacataacct ctctggtaac tccttgacat tctt cagatt 1980
 aacttcagga tttatttga tttcacatat tacaatttgt cacattgttg gtgtgcactt 2040
 tgtgggttct tcttgcatat taacttgttt gtaagaaagg aaatctgtgc tgcttcagta 2100
 agacttaatt gtaaaacat ataacttgag atttaagtct ttgggttgtg ttttaataaa 2160
 acagcatgtt ttcaggtaga g 2181

<210> 185
 <211> 375
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(375)
 <223> 5' terminal sequence. homo sapiens, clone
 image:4054156, mrna, partial cds (EST R55460)
 gene.

122/292

<400> 185
 cgaagaggat gaggaagagc tncctgtgct gcancaagag ctccaggccg ggctgcgac 60
 caaggccctg attgtggatg agtcctgcoo gcggtnacca tcttccaaca tagggatata 120
 cctccctcct tcttataact gaagatcctg gagcccgaa gattcag ggc agacagaccc 180
 tgataatgag cctggcaggg aagggcaacc aacatcttgt aacttgcttt cccaccctg 240
 tttctggggg cagagcaatt gcccaatttc taccctaate caaagtcctt ggggtgnggt 300
 ggggttaaac gtgctggtgc atcctaggtc atccaagagt gaggcgcaa gttcctgagg 360
 aagggggcac agaac 375

<210> 186

<211> 542

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(542)

<223> 3' terminal sequence. immunoglobulin kappa constant (IGKC) gene.

<400> 186
 gcaaagattc acaatattta ttnattctcc tccaacatta gcataattaa agccaaggag 60
 gaggaggggg gtgagggtgaa agatgagctg gaggaccgca ataggggtag gtcccctgtg 120
 gaaaaagggt cagaggccaa aggatgggag ggggtcaggc tgganctgag gagcagggtg 180
 gggcacttct ccttctaaca ctctcccctg ttgaagctct ttgtgacggg cgagctcagg 240
 ccctgatggg tgacttcgca ggcgtagact ttgtgtttct cgtagtctgc ttgtctcagc 300
 gtcagggtgc tgctgaggct ntaggggtgt gtccctgtctg tccgtctctg tgacactctc 360
 ctgggggant taccnattt gggagggcgt tatccacctt ccaactgtact ttggc ctctc 420
 tggggataga agttttttca gcaggcacac aacagaggca nttccagatt tncaactgct 480
 catcagatgg ccgggaagnt gaaggncagt nggtgcagcc acatttcttt tgatconcca 540
 ct 542

<210> 187

<211> 296

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(296)

<223> 5' terminal sequence. melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor) (MCLR) gene.

<400> 187
 atcacctgca gtcctatgct gtccagcctc tgcttctctg ggcacatcgc gtggaccgct 60
 acatctccat cttctacgca ctgnctacca cagcatcgtg accctgccgc gggcgcaag 120
 nccgttgagg ccatctgggt ggccagtgtc gtcttcagca cgctcttcat cgcctactac 180
 gaccacgtgg ccgtctgtgt gtgctcgtg gtcttctctc ttgctatgct ggtgtctatg 240
 gccgtgtgtg acgtccacat gctggcccg gctgccagc acgccaggg cattcg 296

<210> 188

123/292

<211> 1270
 <212> DNA/RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(1270)
 <223> melanocortin 1 receptor (alpha melanocyte
 stimulating hormone receptor) (MC1R) gene.

<400> 188
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 acccaaggcc ccctggcagc accatgaact aagcaggaca cctggagggg aagaactgtg 120
 gggacctgga ggccctcaac gactccttcc tgcttctctg acaggactat ggctgtgcag 180
 ggatcccaga gaagacttct gggctccctc aactccaccc ccacagccat ccccagctg 240
 gggctggctg ccaaccagac aggagcccgg tgcctggagg tgtccatctc tgacgggctc 300
 ttcttcagcc tggggctggt gagcttggtg gagaacgcgc tgggtggt ggc caccatcgcc 360
 aagaaccgga acctgcactc acccatgtac tgcttcactc gctgcctggc cttgtcggac 420
 ctgctggtga gcgggagcaa cgtgctggag acggccgtca tctcctgct ggaggccggt 480
 gcaactgggtg ccggggctgc ggtgctgcag cagctggaca atgtcattga cgtgacacc 540
 tgcagctcca tgetgtccag cctct gcttc ctgggcgcca tgcctgtgga ccgctacatc 600
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 cacgtggccg tctgtctgtg cctcgtggtc ttcttcctgg ctatgctggt gctcatggcc 780
 gtgtgttacg tccacatgct ggcccgggcc tgcagcacg cccagggcac gccccggctc 840
 cacaagaggc agcgcgccgt ccaccagggc tttggcctta aaggcgctgt caccctcacc 900
 atcctgtctg gaattttctt cctctgtctg ggccccttct tctgtcatct cacactcate 960
 gtctctctgc ccgagcacc cagtgccgc tgcattctca agaac ttcaa cctctttctc 1020
 gccctcatca tctgcaatgc catcatcgac cccctcatct acgccttcca cagccaggag 1080
 ctccgcagga cgtcaagga ggtgctgaca tgctcctggt gaggcggtg cagcgcttt 1140
 aagtgtgtg ggcagaggga ggtggtgata ttgtgtggtc tggttcctgt gtgacctgg 1200
 gcagttcctt acctccctgg tcccgtttg tcaaagagga tggactaaat gatctctgaa 1260
 agtgttgaag 1270

<210> 189
 <211> 336
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(336)
 <223> 3' terminal sequence. neuregulin 1 (NRG1)
 gene.

<400> 189
 ccaanaccaa atccgagccc ttggacaaaa ctgcctgcg ccgagagccg tccgcgtaga 60
 gcctccgtct ccggcgagat gtccgagcgc aaagaaggca gaggcaaagg gaagggcaag 120
 aagaaggagc gaggctcgn a agaagccgg ntccgcgggc ggngcagcag gagcccagcc 180
 ttgcctcccc aattnaaaga gatgaaaagc caggaatcgg ctgcaggttc caaactagtc 240
 cttcggtgtg aaaccagttc tgaatactcc tctctcagat tcaagtgggt caagaatggg 300
 gaatgaattg aatcgaaaaa nncannccac aaaatt 336

<210> 190
 <211> 366
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(366)
 <223> 5' terminal sequence. neuregulin 1 (NRG1)
 gene.

<400> 190
 tctcaacaat atgctcactg gaga tgacgt ttttagatac gtattgattc accagctgga 60
 cattctcggg gggtnnggta ggatggtag gccattggc aatgttcac atattgtttc 120
 gttcagaccg aagctctgcc agagacggc atgcagctt ttccgctgtt tcttggtttt 180
 gcagtaggcc accacacaca tgatgccgac cacaaggagg gcgatgcaga tgccggttat 240
 ggtagcact ctctcttggt acagctcctn cgcctncata aattcaatnc caagatgctt 300
 gtagaagctg gccattnacg tagttttttg gcagcgattc accagtaaaa cttcatttng 360
 gggcac 366

<210> 191
 <211> 2490
 <212> DNA/RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(2490)
 <223> neuregulin 1 (NRG1) gene.

<400> 191
 gtggctgcgg ggcaattgaa aaagagccgg cgaggagttc cccgaaactt gttggaactc 60
 cgggctcggc cggaggccag gagctgag cg gcggcggctg ccggacgatg ggagcgtgag 120
 caggacggtg ataacctctc ccgatcggg ttgcgagggc gccgggcaga ggccaggacg 180
 cgagccgccg gcggcgggac ccacgacga cttcccgggg cgacaggagc agccccgaga 240
 gccagggcga gcgcccgttc caggtggccg gaccgcccgc cgcgtccgct ccgcgtctcc 300
 tgcaggcaac gggagacgcc cccgcgcagc gcgagcgcct cagcgcggcc gctcgtctc 360
 cccatcgagg gacaaacttt tcccaaacc gatccgagcc cttggaccaa actcgcctgc 420
 gccgagagcc gtccgcgtag agcgtccgt ctcggcgag atgtccgagc gcaaagaagg 480
 cagaggcaaa gggaaggcca agaagaagga gcgaggctcc ggcaagaa gc cggagtccgc 540
 ggcgggcagc cagagcccag ccttgctcc ccaattgaaa gagatgaaaa gccagggaatc 600
 ggctgcaggt tccaaactag tccttcgggt tgaaccagt totgaatact cctctctcag 660
 attcaagtgg ttcaagaatg ggaatgaatt gaatcgaaaa aacaaaccac aaaatatcaa 720
 gatacaaaaa aagccaggga agtcag aact tcgcattaac aaagcatcac tggctgattc 780
 tggagagtat atgtgcaaag tgatcagcaa attaggaaat gacagtgcct ctgccaatat 840
 caccatcgtg gaatcaaac agatcatcac tggtagcca gcctcaactg aaggagcata 900
 tgtgtcttca gagtctccca ttagaatac agtatccaca gaaggagcaa atactcttc 960
 atctacatct acatccacca ctgggacaag ccattcttga aaatgtgcgg agaaggagaa 1020
 aactttctgt gtgaatggag gggagtgtt catggtgaaa gacctttcaa acccctcgag 1080
 atacttgtgc aagtgcctaa atgagtttac tggtagtcgc tgccaaaact acgtaatggc 1140
 cagcttctac aaggcggagg agctgtacca gaagagagt ctg accataa ccggcatctg 1200
 catcgccctc cttgtggctg gcacatgtg tgtgtggcc tactgcaaaa ccaagaaaca 1260
 gcggaaaaag ctgcatgacc gtcttcggca gaggcttcgt tctgaacgaa acaatatgat 1320
 gaacattgcc aatgggcctc accatcctaa cccaccccc gagaatgtcc agctgggtgaa 1380

125/292

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tcaatacgtat tctaaaaa cg tcatctccag tgagcatatt gttgagagag aagcagagac 1440
atccttttcc accagtcact atacttccac agcccatcac tccactactg tcacccagac 1500
tcctagccac agctggagca acggacacac tgaaagcatc ctttccgaaa gccactctgt 1560
aategtgatg tcatccgtag aaaacagtag gcacagcagc ccaactgggg gcccaag agg 1620
acgtcttaat ggcacaggag gccctcgtga atgtaacagc ttcctcaggc atgccagaga 1680
aaccctgat tctaccgag actctcctca tagtgaaagg tatgtgtcag ccatgaccac 1740
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ggaaatgtct ccaccgtgt ccagcatgac g gtgtccaag ccttccatgg cggtcagccc 1860
cttcatggaa gaagagagac ctctacttct cgtgacacca ccaaggctgc gggagaagaa 1920
gtttgacat caccctcagc agttcagctc cttccaccac aaccocgcgc atgacagtaa 1980
cagcctccct gctagccctt tgaggatagt ggaggatgag gagtatgaaa cgaccaaga 2040
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caagcccaat ggccacattg ctaacagatt ggaagtggac agcaacacaa gctcccagag 2160
cagtaactca gagagtgaag cagaagatga aagagttagt gaagatacgc ctttctggg 2220
catacagaac cccctggcag ccagtcttga ggcaacacct gcctt ccgcc tggtgacag 2280
caggactaac ccagcagcc gcttctcgac acaggaagaa atccaggcca ggctgtctag 2340
tgtaattgct aaccaagacc ctattgctgt ataaaaccta aataaacaca tagattcacc 2400
tgtaaaactt tattttatat aataaagtat tocaccttaa attaaacaat ttattttatt 2460
ttagcagttc tgcaataaaa aaaaaaaaaa 2490

```

<210> 192

<211> 453

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(453)

<223> 5' terminal sequence. ciliary neurotrophic factor receptor (CNTFR) gene.

<400> 192

```

cagatgctac gccgggaagg agtacattat ccaggtggca gcccaaggaca atnagattgg 60
gacatggagt gactggagcg taccgcccac gctacgccct ggactgagga accgcgacac 120
ctcaccacgg agggccaggc tgcggagacc acgaccagca ccaccagctc cctggcacc 180
ccacctacca cgaagatctg tgaccctggg gagctgggca gggcggggg accctcggca 240
cccttcttgg tcagcgctcc catcactctg gccctggctg ncgctgccgc cactgccagc 300
agtctcttga tctgagcccg gcaccccatg aggacatgca gagcacctgc agaggancag 360
gaggccggag cttgagccct gtagaccccg gtttctatct t ncacacggg caggaggant 420
ttttgcattn ttttttnagac acaatttttt gga 453

```

<210> 193

<211> 1566

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(1566)

<223> ciliary neurotrophic factor receptor (CNTFR) gene.

<400> 193

126/292

```

gcgggcgagcag cggaggcggc ggctccagcc ggcgcgggcg gaggctcggc ggtgggagcc 60
ggcgggcggt gctagctccg cgctccctgc ctgctcgct gccggggcg gtcggaaggc 120
gcgggcgagaa gccgggggtg ccgaggggcg cgactct agc cttgtcacct catcttgccc 180
ccttggtttt ggaagtccctg aagagtgggt ctggaggagg aggaggacat tgatgtgctt 240
ggtgtgtggc cagtgggtgaa gagatggctg ctccctgtcc gtgggcctgc tgtgtgtgc 300
ttgcccgcgc cgccgcagtt gtctacgccc agagacacag tccacaggag gcaccccatg 360
tgcagtacga gcgcc tgggc tctgacgtga cactgccatg tgggacagca aactgggatg 420
ctgcggtgac gtggcggtga aatgggacag acctggcccc tgacctgctc aacggctctc 480
agctggtgct ccatggcctg gaactgggac acagtggcct ctacgcctgc ttccaccgtg 540
actcctggca cctgcgccac caagtccctg tgcagtgtgg cttgcccgcg cgggagc ctg 600
tgctcagctg ccgctccaac acctacccca agggcttcta ctgcagctgg catctgcccc 660
ccccaccta cattcccaac acctcaatg tgactgtgct gcatggctcc aaaattatgg 720
tctgtgagaa ggacccagcc ctcaagaacc gctgccacat tcgctacatg cacctgttct 780
ccaccatcaa gtacaaggtc tccataagtg tcagc aatgc cctggggccac aatgccacag 840
ctatcacctt tgacgagttc accattgtga agcctgatcc tccagaaaat gtggtagccc 900
ggccagtgcc cagcaaccct cgccggtgg aggtgacgtg gcagaccccc tcgacctggc 960
ctgaccctga gtcttttct ctcaagttct ttctgcgcta ccgacccctc atcctggacc 1020
agtggcagca tgtggagctg tccgacgga cagcacacac catcacagat gcctacgcgc 1080
ggaaggagta cattatccag gtggcagcca aggacaatga gattgggaca tggagtgact 1140
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cccaggctgc ggagaccacg accagcacca ccagctccct ggcaccccca c ctaccacga 1260
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gagcccgga ccccatgagg acatgcagag cacctgcaga ggagcaggag gccggagctg 1440
agcctgcaga ccccggtttc tatttt gcac acgggcagga ggaccttttg cattctcttc 1500
agacacaatt tgtggagacc ccggcgggcc cgggcctgcc gccccccagc cctgcccgcac 1560
caagct 1566

```

<210> 194

<211> 349

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(349)

<223> 5' terminal sequence. angiogenin,
ribonuclease, rnase a family, 5 (ANG) gene.

<400> 194

```

ccgtgtacac aactcacac aaggacgcca accccacctg gatgcaaaga ggattcaaaa 60
gaacatcttt gcgttttcta ccggtccccc atcatcgtac tagggaggaa gaagcgggtg 120
agaaacaaaa cttctttcca ttgtccctgcc cgttctgcg gacttgttct gaggccgagg 180
agcctgtgtt ggaagagatg gtgatgggccc tgggcgtttt gttgttggtc ttctgtctgg 240
gtctgggtct gacccaccg accctggctc aggataactn c aggtacaca cacttcctga 300
cccagcacta tgatgccaaa ccacagggcc ngggatgaca gatactgtg 349

```

<210> 195

<211> 729

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

127/292

<221> misc_feature
 <222> (1)..(729)
 <223> angiogenin, ribonuclease, rnase a family, 5
 (ANG) gene.

<400> 195
 atgatgccgt gtcagagagc aaagctcctg tccttttggc ctaatttggg gatgctgttc 60
 ttgggtctac cacacctcct ttggccctcc gcaggagcct gtgttggaag agatgggtgat 120
 gggcctgggc gttttgttgt tgggtcttctg gctg ggtctg ggtctgaccc caccgaccct 180
 ggctcaggat aactccaggt acacacactt cctgacccag cactatgatg ccaaaccaca 240
 gggccgggat gacagatact gtgaaagcat catgaggaga cggggcctga cctcaccctg 300
 caaagacatc aacacattta ttcattggcaa caagcgcagc atcaaggcca tctgtgaaaa 360
 caagaatgga aacccctcac gagaaaacct aagaataagc aagtcttctt tccagggtcac 420
 cacttgcaag ctacatggag gtccccctg gctccatgc cagtaccgag ccacagcggg 480
 gttcagaaac gttgttgttg cttgtgaaaa tggcttacct gtccacttgg atcagtcaat 540
 ttccgtcgt cgttaaccag cgggccctg gtcaagtgt ggctctgctg tcct tgcctt 600
 ccatttcccc tctgcacca gaacagtggg ggcaacattc attgccaagg gcccaaagaa 660
 agagctacct ggaccttttg tttctgttt gacaacatgt ttaataaata aaaatgtctt 720
 gatatcagt 729

<210> 196
 <211> 452
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(452)
 <223> 3' terminal sequence. endoglin
 (osler-rendu-weber syndrome 1) (ENG) gene.

<400> 196
 ngttactcca gccttggacc ggggctgcca ctt ggagagn cgtggcgacc acaaggaggc 60
 gcacatcctg agggctcctg cgggccactc ggccggcccc ggacgggtga cgggtgaagg 120
 ggaactgagc tgcgcaccog gggatctcga tgcgctctc atcctgcagg gtcccccta 180
 cgtgtcctgg ctcatcgacg ccaaccacaa catgcagatc tggaccactg gagaatactc 240
 cttcaagatc tttccagaga aaaacattcg tggcttcaag ctcccagaca cacctcaagg 300
 cctcctgggg ggacgcgn gn atgcttcaat gccagcattg tggcatcctt cgtgggagct 360
 taacgctggg ccagcattgt cttnatctca ttgccttcca gcttgcggtt gttagggttg 420
 cagaccttaa ccgnaccgt ttccagacca tt 452

<210> 197
 <211> 379
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(379)
 <223> 5' terminal sequence. endoglin
 (osler-rendu-weber syndrome 1) (ENG) gene.

<400> 197

128/292

```

aggacgagggc ctttgcctgt gcaaccagac aggtcagggc tgatgatgtt caagcgcatg 60
aagacagtc c tatggcttcc tggctcttgag acccggtcctt gggacgcagg gctaccgtgc 120
agctgaggggt gccgggttttg ggtatgggta ctgtgtagaa gtggaggagg aagctgaagc 180
gcggttcacc ctggtgggtt ggggacagca ggct cacaca gttgcccttg gccgcccggc 240
cctgggatga gtccacgggt gcctccctca ggccccaagt ccagggtggc agctgtctaa 300
ctggagcagg aactcggaga cggatgggga cantctgacc tgcacaaagc tttnttggc 360
ccggttcga tgggtgtttt                                     379

```

<210> 198

<211> 3142

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(3142)

<223> endoglin (osler-rendu-weber syndrome 1)
(ENG) gene.

<400> 198

```

cctgggcccgg ccgggctgga tgagccgg ga gctccctgct gcgggtcata ccacagcctt 60
catctgcgcc ctggggccag gactgctgct gtcactgcc tccattggag cccagcaccc 120
cctccccgcc catccttcgg acagcaactc cagcccagcc ccgcgtccct gtgtccactt 180
ctcctgaccc ctcgcccgcc accccagaag gctggagcag ggacgcgctc gctccggccg 240
cctgtccccc tgggtccccc gtgcgagccc acgcgggccc cgggtcccgcc ccgcagccct 300
gccactggag acaggataag gcccagcgca caggccccca cgtggacagc atggaccgcg 360
gcaogctccc tctggctgtt gccctgctgc tggccagctg cagcctcagc cccacaagtc 420
ttgcagaaac agtccattgt gaccttcagc ctgtgggccc cgagagggg c gaggtgacat 480
ataccactag ccaggctctg aagggtctgc ttggtcaggc cccaatgcc atccttgaag 540
tccatgtcct ctccctggag ttcccaacgg gcccgtcaca gctggagctg actctccagg 600
catccaagca aaatggcacc tggccccgag aggtgtcttct ggtcctcagt gtaaacagca 660
gtgtcttcct gcctctccag gccctgg gaa tcccactgca cttggcctac aattccagcc 720
tggtcacott ccaagagccc ccgggggtca acaccacaga gctgccatcc ttccccaaga 780
cccagatcct tgagtgggca gctgagaggg gcccacacac ctctgtctgt gagctgaatg 840
acccccagag catcctcctc cgactgggcc aagcccaggg gtcactgtcc ttctgcattg 900
tggaagccag ccaggacatg ggccgcacgc tcgagtggcg gccgcgtact ccagccttgg 960
tccggggctg ccacttgga ggcggtggcg gccacaagga ggcgcacatc ctgaggggtc 1020
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ccgggggatct cgatgcgctc ctcatcctgc aggggtcccc ctacg tgtcc ttgctcatcg 1140
acgccaacca caacatgcag atctggacca ctggagaata ctccctcaag atctttccag 1200
agaaaaacat tcgtggcttc aagctccag acacacctca aggcctcctg ggggaggccc 1260
ggatgctcaa tgccagcatt gtggcactct tcgtggagct accgctggcc agcattgtct 1320
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ccgacgacgc catgaccctg gtactaaaga aagagcttgt tgcgcatttg aagtgcacca 1500
tcacgggctt gacctcttgg gacccagct gtgaggcaga ggacaggggt gacaagttt g 1560
tcttgccgag tgcttactcc agctgtggca tgcagggtgc agcaagtatg atcagcaatg 1620
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gcaaaggcct cgtcctgccc gccgtgctgg gcacacactt tgggtgccttc ctcatcgggg 2160
cctgctcac tgctgcactc tgggtacatct actgcacac gcgtgag tac cccaggcccc 2220

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129/292

```
cacagtgagc atgccggggc cctccatcca cccgggggag cccagtgaag cctctgaggg 2280
attgaggggc cctggcagga cctgacctc cgcccctgcc cccgctcccg ctcccagggt 2340
ccccagcaa gcgggagccc gtggtggcgg tggtgcccc gcctcctcg gagagcagca 2400
gcaccaacca cagcatcggg a gaccccaga gcaccccctg ctccaccagc agcatggcat 2460
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cccaggagac agaccacttg ccacgctgtt gtaaaaaacc aagtcctgt catttgaacc 2760
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ggagcctagc tctgcccaca tggagcccc tctgccggtc gggcagccag cagaggggga 3060
gtagccaagc tgcttgcctt gggcctgcc ctgtgtattc accaccaata aatcagacca 3120
tgaaacctga aaaaaaaaaa aa 3142
```

<210> 199

<211> 402

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(402)

<223> 3' terminal sequence. epidermal growth
factor (beta-urogastrone) (EGF) gene.

<400> 199

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tatgtttttg gtgattttat ttaaataatt agaagaaatt catcgttgtc tataatgaaa 60
acaaatcagg caatttactt acaatcttgt aactgaaaat acatacaaa t tctgtgcaat 120
cacaccaaga gggaaaattc tgtaggggaa aaggacagta atgactaaga aactccgaag 180
cctcctgtgt aatattttta aaataaaatg ttttcattca aatattttta aaaataagcc 240
atctaattct gaagaaatca gtttctaaat tacatttttc attgattcat cacaactcat 300
tttgcaaaat catcagcatg gaccacg cca atgaggagtt aaatgcctac actgtatctt 360
aacggtattg taatattcca atcatttcat gaaactgata ta 402
```

<210> 200

<211> 4877

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(4877)

<223> epidermal growth factor (beta-urogastrone)
(EGF) gene.

<400> 200

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actgttggga gaggaatcgt atctccatat ttcttctttc agccccaatc caagggttgt 60
agctggaact ttccatcagt tcttcctttc ttttctctct ctaagccttt gccttgctct 120
gtcacagtga agtcagcca g agcagggtc ttaaactctg tgaaatttgt cataaggggt 180
tcaggatttt ctactggct tccaaagaaa catagataaa gaaatctttc ctgtggcttc 240
```

ccttggcagg ctgcattcag aaggtctctc agttgaagaa agagcttggg ggacaacagc 300
 acaacaggag agtaaaagat gcccaggggc tgaggcctcc gctcaggcag ccgcatctgg 360
 ggtcaatcat actcaccttg cccggggccat gctccagcaa aatcaagctg ttttcttttg 420
 aaagttcaaa ctcatcaaga ttatgctgct cactcttate attctgttgc cagtagtttc 480
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131/292

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taagggctcc tgtccccagg taatggagcg aagctttcat atgccctcct atgggacaca 3960
gaccettgaa gggggtgtcg agaagcccca ttctctccta tcagctaacc cattatggca 4020
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aaaatcacca aaaacat
4877

```

<210> 201

<211> 153

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(153)

<223> 3' terminal sequence. hmt1 (hnrnp
methyltransferase, s. cerevisiae) -like 1 (HRMT1L1)
gene.

<400> 201

```

attagacctc acattaggga aaacatcaaa atgantcagc cagcaccctt gagatcctga 60
ggttggccca gccgagcccg tgctcagaag cccccagct ccggccccca gctgcccga 120
cgcccgccct caccagcagg caggtcccca tcc
153

```

<210> 202

<211> 472

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(472)

<223> 5' terminal sequence. hmt1 (hnrnp
methyltransferase, s. cerevisiae) -like 1 (HRMT1L1)
gene.

<400> 202

```

agtgaatcgc agggagaaga gcctgctgag tncagtgagg cgggtctcct gcaggaggga 60
gtacagccag aggagtttgt ggccatcgcg gactacgctg ccaccgatga gaccagctc 120
agttttttga gaggagaaaa aattcttata ctgagacaaa cactgcaga ttggtgtgtg 180
ggtgagcgtg cgggctgctg tgggtacatt c cggcaaacc atgtggggaa gcacgtggat 240
gagtacgacc ccgaggacac gtggcaggat gaagagtact tcggcagcta tggaactctg 300

```


132/292

aaactccact tgggagatgt tggcagacca gccacgaaca actaaatacc acagtgttca 360
ttcctgncag gaattaaaga atccctgnac ggnttaaagt tcttcnngg acgtggggct 420
gtggggattt gggatccntc agtctcttnt tgttgacat tttgcgtggc nt 472

<210> 203

<211> 2093

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(2093)

<223> hmt1 (hmrnp methyltransferase, s.
cerevisiae)-like 1 (HRMT1L1) gene.

<400> 203

cactgcgctt gcgcgggttg agggcggttg ctacgtctcc tggaaaggac cgtccacccc 60
tcgcgcttg cggtgtggac gcggaactca gcggagaaac gcgattgaga aatggaaaag 120
aaaatgaaat aaatcagcag ttatgaggca gagcctaaga gaactatggc aa catcaggt 180
gactgtccca gaagtgaatc gcaggagaa gagcctgctg agtgcagtga ggcgggtctc 240
ctgcaggagg gactacagcc agaggagttt gtggccatcg cggactacgc tgccaccgat 300
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gattgggtgg ggggtgagcg tgcgggctgc tgtgggtaca ttccggcaaa ccatgtgggg 420
aagcacgtgg atgagtacga ccccgaggac acgtggcagg atgaagagta cttcggcagc 480
tatggaaact tgaactcca cttggagatg ttggcagacc agccacgaac aactaaatac 540
cacagtgtca tctgcagaa taaagaatcc ctgacggata aagtcacctt ggacgtgggc 600
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atgcgatggg actctgcatg ggatagtaca gttgtgtaga cgtcttccaa ataaattatg 2040
tgttggtgcc atcgacatg ctcaataaat attttaaatg agtgaaaaaa aaa 2093

<210> 204

<211> 431

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(431)

<223> 3' terminal sequence. ets variant gene 4
(ela enhancer-binding protein, elaf) (ETV4) gene.

<400> 204

```
tgggggcctt tattaaggtc tggcagatgt ggtggagggtg gaagtacaaa cccaggcctg 60
ggcctaggaa agggcagaag aaaggcaaag ggtcccttgg agcaggaacc catccctctc 120
tgcttatacc cagcaccctt catcccaggt tcctttcttc aacctccgcc tgccctctggg 180
aacacagagc accaagaact gacaaaccgg gaccctccag gggccacagc gtgggggc ag 240
agtccagggn ttctgtctcc ccgcagtggg gagatctngg ggagctcagg tgaacctctt 300
cancctcctg ccagtatgaa gttggggaag cgccttttct tgtccccag aacagaacaa 360
actctgttc tctgtgggtt nggggaaaaa ggttngggg ggtttggact taggggagaa 420
gttnagcttg a 431
```

<210> 205

<211> 435

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(435)

<223> 5' terminal sequence. ets variant gene 4
(ela enhancer-binding protein, elaf) (ETV4) gene.

<400> 205

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gtcccttggc cctgcccttg gacagtgcgc cctacagncc tttccccggg cagagaacgg 60
aatttcttga gatcctcttg cacctcccag ccccacctg gccatgggta cctcggggaa 120
catagctccg tcttccagca gcccctggga catttgccac tccttcacat ctcaggagg 180
gggcggggaa cccctcccag gcccctacc aacaccagct gtcggagccc tgcccacctt 240
atccccagca gagctttaag caagaatacc atgatccct gtatggaaca gggnggggcc 300
agccaggccg tgggaaccag ggggtggggg tcaatggggg cacagggtac ccaggggggn 360
gggggggttg ttgattcaaa acaggaaca gacgggattt tt ggnntaag gatttnaggt 420
tntttaanog ggttg 435
```

<210> 206

<211> 447

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(447)

<223> 5' terminal sequence. annexin a11 (ANXA11)
gene.

<400> 206

```

agaccccagt cctctttgac atttatgaga taaaggaagc catcaagggg gttggcactg 60
atgaagcctg cctgattgag atcctcgctt cccgcagcaa tgagcacatc cgagaattaa 120
acagagccta caaagcagaa ttcaaaaaga ccctggaaga ggcca ttga agcgacacat 180
cagggcactt ccagcggctc ctcatctctc tctctcaggg aaaccgtgat gaaagcacia 240
acgtggacat gtccactgcc cagagagatg cccagggagc tgtatgcggn ccggggagaa 300
ccgcctgggg aacagacgag tccaagtttc aattgcggtt tctgtggctt cccgggagcc 360
gggcncacc tgggtaggca gtt tttaaat gagttaccag agaatgnaca gggcncggac 420
atttntagaa gagcatctgc ccggaga 447

```

<210> 207

<211> 1958

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(1958)

<223> annexin all (ANXA11) gene.

<400> 207

```

gctgctgcgc ccgcggctcc ccagtgcgcc gagtgcccg cgggcccccgc gagcgggagt 60
gggacccagc cctaggcaga acccaggcgc cgcgcccggg acgcccgcgg agagagccac 120
tcccgcgccac gtcccatttc gccctcgcg tccggagtcc ccgtggc cag atctaaccat 180
gagctaccct ggctatcccc cgcgccccagg tggctaccca ccagctgcac caggtggtgg 240
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cgtggccacc tatgcggggc agttcaacca ggactatctc tcgggaatgg cggccaacat 360
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tcaccgtcct agagcttagg cctgtcttcc acccctcctg acccgatatg tgtgccacag 1860
gacctgggtc ggtctagaac tctctcagga tgccctttct accccatccc tcacagcctc 1920
ttgctgctaa aatagatggt tcatttttct gaaaaaaa 1958

```

<210> 208

<211> 433

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(433)

<223> 5' terminal sequence. platelet-derived
growth factor receptor, beta polypeptide (PDGFRB)
gene.

<400> 208

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gccagatgaa gcaaggccat ataccctaaa cttccatcct gggggtcagc tnggctcctg 60
ggagattcca gatcacacat cacactctgg ggactcagga accatgcccc ttccccaggc 120
ccccagcaag tctcaagaac acagctgcac aggccttgac ttagagtnac agccggtntc 180
ctggnaaagcc cccagcagct gccccaggga catgggaaga ccacgggacc tcttctoacta 240
cccacgatga cctccggggg tatcctgggg caaaagggac aaagagggca aatgagatca 300
cctnctgcag cccaccactt ccagcacctg tgccgaggtt ttic gttcga agacagaatt 360
ggacagttga ggacagttat tgtcttntt taaaagnaca aggaaggttt cagnttgggt 420
taccccaag gag 433
```

<210> 209

<211> 5570

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(5570)

<223> platelet-derived growth factor receptor,
beta polypeptide (PDGFRB) gene.

<400> 209

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agaccaggg cgccccctct ggcggtctctg ctctccccga aggatgcttg gggagtggagg 120
cgaagctggg cgctcctctc ccctacagca gcccccttc tccatccctc tgttctcctg 180
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acaatgactc ccgtggactg gagaccgatg agcggaaaag gctctacatc tttgtgccag 720
atcccccggt gggcttcc tc cctaagatg ccgaggaact attcatcttt ctacaggaaa 780
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137/292

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<210> 210

<211> 406

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(406)

<223> 5' terminal sequence. williams-beuren
syndrome chromosome region 14 (WBSCR14) gene.

<400> 210

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accagatgcg agacatgttt gatggactac gtccgaaccc gtacgtgca caa ctgggaa 360
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<210> 211

<211> 3293

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(3293)

<223> williams-beuren syndrome chromosome region
14 (WBSCR14) gene.

<400> 211

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ccccgcgctg cgcgagcag ggaccaggcg gttgcggcgg cgacagccat ggccggcgcg 60
ctggcaggtc tggccgcggg cttgcaggtc ccgcgggtcg cgcccagccc agactcggac 120
tcggacacag actcggagga cccgagctc cggcgcagc g cgggcgggctt gctccgctcg 180
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cggcgcgacc aggaggggtc cgtggggccc tccgacttcg ggccgcgcag tatcgacccc 300
acactcacac gctcttcga gtgcttgagc ctggcctaca gtggcaagct ggtgtctccc 360
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gcatctgga gggcctggta tatccagtat gtgaagcgga ggaagagccc cgtgtgtggc 480
ttcgtgaccc cctgcaggg gcctgaggct gatgcgcacc ggaagccgga ggccgtggtc 540
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<210> 212

<211> 207

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(207)

<223> 5' terminal sequence. cd74 antigen

(invariant polypeptide of major histocompatibility complex, class ii antigen-associated) (CD74) gene.

<400> 212
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ttccccagtc atcactcccc aaggaagagc caatgttttc cacccataat cctttctgcc 120
gaccctagt tccctctgct cagccaagct tggtatcagc tttcagggcc atngttcaca 180
ttagaataaa aggtagtaat taganaa 207

<210> 213
<211> 1304
<212> DNA/RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(1304)
<223> cd74 antigen (invariant polypeptide of major
histocompatibility complex, class ii
antigen-associated) (CD74) gene.

<400> 213
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tgaccagcgc gaccttatct ccaacaatga gcaactgccc atgctgggccc ggcgcctgg 120
ggccccggag agcaagtga ggcgcggagc cctgtacaca ggcttttcca tcctggtgac 180
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ggacaaaactg acagtcacct ccagaaacct gcagctggag aacctgcgca tgaagcttcc 300
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ctttcagggc catggttca attagaataa aaggtagtaa ttag 1304

<210> 214
<211> 355
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(355)
<223> 5' terminal sequence. annexin a7 (ANXA7)
gene.

<400> 214
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ggcaatgaag ggttttggga cagatgagca ggcaattgtn gatgtngttg ccaaccgttt 120
ccaatgatca gaggcacaaa attaaagcag catttaagac ctcttatggc aaggatttaa 180
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tcaggancgt tgtatttgat ttgngatttt ngtgcacang atcanattca ggtaa 355

<210> 215
<211> 2176
<212> DNA/RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(2176)
<223> annexin a7 (ANXA7) gene.

<400> 215
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ggtcaggagt catcttttcc ccttctgtgt cagtatcctt atcctagtgg ctctcctcca 180
atgggaggag gtgcctaccc acaagtgcc aagtagtgct acccaggagc tggaggctac 240
cctgcgcctg gaggttatcc agcccttggg ggctatcctg gtgccccaca gccaggggga 300
gtctccatct atcccggagt tctccaggc caaggatttg gaggccacc agg tggagca 360
ggcttttctg ggtatccaca gccacctca cagtcttatg gagggtgtcc agcacagggt 420
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tacgatgcct ggagcttacg gaaagcaatg caggagcag gaactcagga acgtgtattg 900
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ataaaaaatt gcatat 2176

<210> 216
 <211> 525
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(525)

<223> 3' terminal sequence. thrombospondin 1
 (THBS1) gene.

<400> 216

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cccagcccc agatgaacgg gaaacctgt gaaggcgaag gcgngagac caaagcctgc 240
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gaggcagagg ttttttgaac ggnnttaggg gattttgnc aagtt 525
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<210> 217
 <211> 5722
 <212> DNA/RNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(5722)

<223> thrombospondin 1 (THBS1) gene.

<400> 217

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143/292

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<210> 218

<211> 397

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(397)

<223> 3' terminal sequence. protein tyrosine
phosphatase, non-receptor type 2 (PTPN2) gene.

<400> 218

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ctcctaattt atttcttgta catctttcta catttcatac actcattaaa aacacttaac 120
acatccaatt aaaggttctg caaagtcttc tgctggtggg tgctcttcat cccctgggnt 180
gtaaagttta ctttgtaaac aaacaactgt gaggncaatc tagagggtta ggcgagcctc 240
actttagttt cggagtgagg gcttcagggt cttgctttgc acatcaatgg gttcaaaatt 300
tataggctgc aggaatattc tcaaggctat ggaatattag gngtctgtgt ncaat cttgg 360
ggcccttttt tctttttctg ttncatttct ccatTTA 397

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<210> 219

<211> 338

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(338)

<223> 5' terminal sequence. protein tyrosine
phosphatase, non-receptor type 2 (PTPN2) gene.

<400> 219

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tctggcacct tctctctggt agacacttgt cttgttttga tggaaaaagg agatgatatt 120
aacataaaac aagtgttact gaacatgaga aaataccgaa tgggtcttat tcagaccca 180
gatcaactga gattctcata catggctata atagaaggag caaaatgtat aaaggagat 240

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tctagtatac agaaacgatg gaaagaactt tctaaggang acttatctcc tgcctttgat 300
cattncacca aacaaaataa tgactgaaaa atacantg 338

<210> 220

<211> 2287

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(2287)

<223> protein tyrosine phosphatase, non -receptor
type 2 (PTPN2) gene.

<400> 220

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atgccacca ccatcgagcg ggagttcgaa gagttggata ctacagctcg ctggcagccg 120
ctgtacttgg aaattcgaaa tgagtcccat gactatcttc atagagtggc caagtttcca 180
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taaacc 2287

<210> 221

<211> 296
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(296)
<223> 3' terminal sequence. epha2 (EPHA2) gene.

<400> 221
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ctccgcacca actgggtgta ccgaggagag gctgagcgta tcttcattga gctcaagttt 180
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<210> 222
<211> 3921
<212> DNA/RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(3921)
<223> epha2 (EPHA2) gene.

<400> 222
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tccaggcagc ccgcgcctgc ttgcacctgc tgtggggctg tgcgctggcc gcggccgcgg 180
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ctttccctgc gagacgcaca cagctgagca cttagcaggc accgccacgt cccagcatcc 3300
ctggagcagg agccccgcca cagc cttcgg acagacatat aggatattcc caagccgacc 3360
ttccctccgc ctttctccac atgaggccat ctacggagat ggagggcttg gccagcgcc 3420
aagtaaacag ggtacctcaa gccccatttc ctacactaa gagggcagac tgtgaacttg 3480
actgggtgag acccaaagcg gtccctgtcc ctctagtgc ttcttttagc cctcgggccc 354 0
catcctcatc cctgactggc caaacccctg ctttctggg cctttgcaag atgcttggtt 3600
gtgttgaggt ttttaaatat atattttgta ctttgtggag agaattgtgt tgtgtggcag 3660
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accggtgctg caggagtgtc ctgcccctgc cccagtcg gc cccatctctc atccttttgg 3780
ataagtttct attctgtcag tgttaaagat tttgtttgt tggacatttt tttcgaatct 3840
taatttatta ttttttttat atttattgtt agaaaatgac ttatttctgc tctggaataa 3900
agttgcagat gattcaaacc g 3921

```

<210> 223

<211> 437

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(437)

<223> 3' terminal sequence. tissue inhibitor of
 metalloproteinase 1 (erythroid potentiating
 activity, collagenase inhibitor) (TIMP1) gene.

<400> 223

```

ggaacagggg ggacactgtg caggcttcag ctccactcc ggcaggatt caggctatct 60
gggaccgcag gacttgccag gngcacagcc ctggctccc aggcaggcag gcaagggtgac 120
gggactggaa gcccttttca naggcttga ggagctggnc cgtccacaag caatgagtgc 180
cactctgcag tttgcagggg atggataaac agggaaacac tgtgcattcc tcacagccaa 240

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cagtntagggt cttggtnaag ccccggcgct gagctaagct caggcttttc caggggagcc 300
acgaaactnc aggtagtgat gtgcaagagt ccacctcgca gttttccagc aatnagaaac 360
tcctcgctng cggtttttgg ggacncttgg aagttntc cg cagacatitt tccatgggcc 420
gggttttaag acgaacc                                     437

```

<210> 224

<211> 466

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(466)

<223> 5' terminal sequence. tissue inhibitor of
metalloproteinase 1 (erythroid potentiating
activity, collagenase inhibitor) (TIMP1) gene.

<400> 224

```

gccncagatc cagcgcccag agagacacca gagaacccac catggccccc tttgnagccc 60
ctggcttctg gcacctctgt gttgctgtgg ctgatagccc ccagcagggc ctgcacctgt 120
gtcccacccc acccacagac ggcttctgc aattccgacc tcgtcatcag ggccaagtgc 180
gtggggacac cagaagtcaa ccagaccacc ttataccagc gttatgagat caagatgacc 240
aagatgtata aagggttcca agccttaggg gatgccgctg acatccggtt cgtctacacc 300
cccgccatgg agagtgtctg cggatacttn cacaggcccc acaaccgnag cgaggagttt 360
ctcattngct ggaaaactgt aggatggact tcttgacat tnactacctt gcagttttng 420
tgggttcctt gggaacagtc tgagggttag ttnagcggtt ggggtt                                     466

```

<210> 225

<211> 782

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(782)

<223> tissue inhibitor of metalloproteinase 1
(erythroid potentiating activity, collagenase
inhibitor) (TIMP1) gene.

<400> 225

```

agggggcctta gcggtccgca tcgccgagat ccagcgccca gagagacacc agagaaccca 60
ccatggccccc ctttgagccc ctggcttctg gcacctctgt gttgctgtgg ctgatagccc 120
ccagcagggc ctgcacctgt gtcccacccc acccacagac ggcttctgc aattccgacc 180
tcgtcatcag ggccaagtgc gtggggacac cagaagtcaa c cagaccacc ttataccagc 240
gttatgagat caagatgacc aagatgtata aagggttcca agccttaggg gatgccgctg 300
acatccggtt cgtctacacc cccgccatgg agagtgtctg cggatacttc cacaggcccc 360
acaaccgcag cgaggagttt ctcattgctg gaaaactgca ggatggactc ttgcacatca 420
ctacctgcag tttcgtggct ccttgaaca gcctgagctt agctcagcgc cggggcttca 480
ccaagacctc cactgttgcc tgtgaggaat gcacagtgtt tccctgttta tccatcccc 540
gcaaaactgca gagtggcact cattgcttgt ggacggacca gctcctccaa ggctctgaaa 600
agggttcca gtcccgtcac cttgcctgcc tgccctggga gccagggctg tgcacctggc 6 60
agtccctgcg gtccagata gcctgaatcc tgcccgaggt ggaactgaag cctgcacagt 720
gtccaccctg ttcacactcc catctttctt ccggacaatg aaataaagag ttaccaccca 780

```


gc

782

<210> 226

<211> 353

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(353)

<223> 5' terminal sequence. ephrin -al (EFNA1) gene.

<400> 226

```

acagctacta ctacatctca gccaaaccca tccaccagca tgaagaccgc tgetttaggt 60
tgaaggtgac tgtcagtggc aaaatcactc acagtcctca ggcccatgtc aatccacagg 120
agaagagact tgcagcagat gaccagagg tgccgggttct acatagcatc ggtcacagtg 180
ctgccccacg cctcttccca cttgcctgga ctgtgctgct ccttccactt ctgctgctgc 240
aaaccccggtg aaggtgtatg ccacacctgg ccttaaagag ggaca ggctg aagagaggga 300
caggcactcc aaacctgtct tgggggccac ttcagagcc cccagccctt ggg 353

```

<210> 227

<211> 1480

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(1480)

<223> ephrin-al (EFNA1) gene.

<400> 227

```

gcgagagaaag ccagtgggaa cccagaccca taggagaccc gcgtccccgc tcggcctggc 60
caggccccgc gctatggagt tctctgggc ccctctcttg ggtctgtgct gcagtctggc 120
cgctgctgat cgccacaccg tctctggaa cagttcaaat cccaagttcc ggaatgagga 180
ctacaccata catgtgcagc tgaatgacta cgtggacatc atctgtccgc actatgaaga 240
tcaactctgtg gcagacgctg ccatggagca gtacatactg tacctgggtg agcatgagga 300
gtaccagctg tgccagcccc agtccaagga ccaagtccgc tggcagtgca accggcccag 360
tgccaagcat ggcccgagga agctgtctga gaagttccag cgcttcacac ctttcaccct 420
gggcaaggag ttcaaagaag gacacagcta ctactacatc tccaaaccca tccaccagca 480
tgaagaccgc tgcttgaggt tgaaggtgac tgtcagtggc aaaatcactc acagtcctca 540
ggcccatgtc aatccacagg agaagagact tgcagcagat gaccagagg tgccgggttct 600
acatagcatc ggtcacagtg ctgccccg cctcttccca cttgcctgga ctgtgctgct 660
ccttccactt ctgctgctgc aaaccccggtg aaggtgtatg ccacacctgg ccttaaagag 720
ggacaggctg aagagaggga caggcactcc aaacctgtct tggggccact ttcagagccc 780
ccagccctgg gaaccactcc caccacaggc ataagctatc acctagcagc ctcaaacagg 840
gtcagtatta aggttttcaa ccggaaggag gccaacaccg ccgacagtgc catccccacc 900
ttcacctcgg agggacggag aaagaagtgg agacagtcct ttcccacatc tctgccttt 960
aagccaaaga aacaagctgt gcaggcatgg tcccttaagg cacagtggga gctgagctgg 1020
aagggggccac gtggatgggc aaagcttgtc aaagatgccc cctccag gag agagccagga 1080
tgcccagatg aactgactga aggaaaagca agaaacagtt tcttgcttgg aagccaggta 1140
caggagaggc agcatgcttg ggctgaccca gcattctcca gcaagacctc atctgtggag 1200
ctgccacaga gaagtttcta gccaggtact gcattctctc ccactcctgg gcagcactcc 1260

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149/292

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ccagagctgt gccagcaggg g ggcgtgtgcc aacctgttct tagagtgtag ctgtaagggc 1320
agtgcacatg tgtacattct gcctagagtg tagcctaaag ggcagggccc acgtgtatag 1380
tatctgtata taagttgctg tgtgtctgtc ctgatttcta caactggagt ttttttatac 1440
aatgttcttt gtctcaaaat aaagcaatgt gttttttcgg 1480

```

<210> 228

<211> 170

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(170)

<223> 3' terminal sequence. endothelin receptor
type a (EDNRA) gene.

<400> 228

```

ttttaagggt tctgtaaact tttattttac acttatgggc cactgcaact cagggccttg 60
gcttctggct catctctaca agttacttgg ttgaaaagat gtagtaaagg tagaaattgg 120
aaatattcct gctagtaaac cacagttact taccagtcca taaataaaat 170

```

<210> 229

<211> 4105

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(4105)

<223> endothelin receptor type a (EDNRA) gene.

<400> 229

```

gaattcgcgg ccgcctcttg cgggtcccaga gtggagtggg aggtctggag ctttgggagg 60
agacggggag gacagactgc aggcgtgttc ctccggagtt ttctttttcg tgcgagccct 120
cgcgcgcgcg tacagtcato ccgctgtgtc gacgattgtg gagaggcggg ggagaggctt 180
catccatccc acccggtcgt cgcgggggat tggggtccca gcgacacctc cccgggagaa 240
gcagtgccca ggaagttttc tgaagccggg gaagctgtgc agccgaagcc gccgcgcgcg 300
cggagcccgg gacaccggcc accctccgcg ccaccacccc tcgctttctc cggttccttc 360
tggcccaggg gccgcgcgga cccggcagct gtctgcgcac gccgagctcc acggtgaaaa 420
aaaaagtga ggtgtaaaag cagcacaagt gcaataagag atatttcctc aaatttgcc 480
caagatggaa accctttgcc tcagggcac cttttggct g gcaactgggtg gatgtgta 540
cagtataat cctgagagat acagcacaaa tctaagcaat catgtggatg atttcaccac 600
ttttcgtggc acagagctca gtttcctggt taccactcat caaccacta atttggtc 660
accagcaat ggctcaatgc acaactattg cccacagcag actaaaatta cttcagcttt 720
caaatatatt aacactgtga tatcttgtac tattttcac gtgggaatgg tggggaatgc 780
aactctgtc aggatcatat accagaacaa atgtatgagg aatggcccca acgcgctgat 840
agccagtctt gcccttgagg accttatcta tgtggtcatt gatctcccta tcaatgtatt 900
taagctgctg gctgggcgct ggccttttga tcacaatgac tttggcgat ttctttgca a 960
gctgttcccc tttttgcaga agtcctcggg ggggatcacc gtcccaacc tctgcgctct 1020
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tttggttaac gccattgaaa ttgtctccat ctggatcctg tcccttatcc tggccattcc 1140
tgaagcgatt ggcttcgtca tggtaaccct tgaa tatagg ggtgaacagc ataaaacctg 1200
tatgctcaat gccacatcaa aattcatgga gttctaccaa gatgtaaagg actggtggct 1260

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cttcggggttc tattttctgta tgcccttggt gtgcactgcg atctttctaca ccctcatgac 1320
ttgtgagatg ttgaacagaa ggaatggcag cttagagaatt gccctcagtg aacatcttaa 1380
gcagcgctga gaagtggcaa aaacagtttt ctgcttggtt gtaatttttg ctctttgctg 1440
gttccctctt cacttaagcc gtatatgtaa gaaaactgtg tataacgaaa tggacaagaa 1500
ccgatgtgaa ttacttagtt tcttactgct catggattac atcggtatta acttggcaac 1560
catgaattca tgtataaacc ccatagctct gtattttgtg agcaagaa at ttaaaaattg 1620
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catgaacgga acaagcatcc agtggaagaa ccacgatcaa acaaccaca acacagaccg 1740
gagcagccat aaggacagca tgaactgacc acccttagaa gcactcctcg gtactcccat 1800
aatcctctcg gaaaaaaa tc acaaggca actgtgactc cggaatctc ttctctgate 1860
cttcttctct aattcactcc cacaccaag aagaaatgct ttccaaaacc gcaaggtaga 1920
ctgggtttatc caccacaac atctacgaat cgtactctt taattgatct aatttacata 1980
ttctgctgtg tgtattcagc actaaaaaat ggtgggagct gggggagaat gaagactggt 2 040
aaatgaaacc agaaggatat ttactacttt tgcataaaaa tagagctttc aagtacatgg 2100
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aaaatcaatg tcaagtacca aaatgttaat gtatgtgtca tttactctg cctgagactt 2700
tcagtgcact gtatatagaa gtctaaaaca cacctaagag aaaagatcg aatttttcag 2760
atgattcgga aattttcatt caggtatttg taatagtgc atatatatgt atatacatat 2820
cacctcctat tctcttaatt tttgttaaaa tgttaactgg cagtaagtct tttttgatca 2880
ttcccttttc catataggaa acat aatttt gaagtggcca gatgagtta tcatgtcagt 2940
gaaaaataat taccacaaa tgccaccagt aacttaacga ttcttcactt ctgggggttt 3000
tcagtatgaa cctaactccc caccocaaca tctccctccc acattgtcac catttcaaag 3060
ggccacagct gacttttgtt gggcattttc ccagatgttt acagactgtg agtacagcag 312 0
aaaatctttt actagtgtgt gtgtgtatat atataaaca ttgtaaattt cttttagccc 3180
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ggtatgtatg gatttaattc aatctaataa ttgtgccccg cagttgtgcc aaagtgcata 3300
gtctgagcta aaatctaggt gattgttcat catgacaa cc tgcctcagtc cattttaacc 3360
tgtagcaacc ttctgcattc ataaatcttg taatcatgtt accattacaa atgggatata 3420
agaggcagcg tgaaagcaga tgagctgtgg actagcaata tagggttttg tttggttgg 3480
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cactttgaag tatttatattg ttcttctctt caattcaatg tggatgatga attgccaggt 3600
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caaggctaag aagtactgoc cttttgtgtg ttagcagtc aatctattat t cactggcg 3780
catcatatgc agtgatatat gcctataata taagccatag gtccacacca ttttgtttag 3840
acaattgtct ttttttcaag atgctttgtt tctttcatat gaaaaaaatg cattttataa 3900
attcagaaaag tcatagattt ctgaaggcgt caacgtgcat tttatttatg gactggtaag 3960
taactgtggt ttactagcag gaatat ttcc aatttotacc ttactacat cttttcaaca 4020
agtaactttg tagaaatgag ccagaagcca aggcctgag ttggcagtg cccataagtg 4080
taaaataaaa gtttacagaa acctt 4105

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<210> 230

<211> 240

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(240)

<223> 3' terminal sequence. growth factor
receptor-bound protein 2 (GRB2) gene.

<400> 230

ggttttctgt tttttattat tggcgctcagt agngactata cgtggcctta aacgtcatgc 60
actgatggac agaagagaaa aaaggatgaa aaaaaagaca aaggagggga aagaggagca 120
gcagtgaan tttgtaataa aaactcttct taatttatag gtaagttttg gcatttttaa 180
atccaacgcc cctcccacc ccctaaagtt ccaaccaaag tgagaggggc acagggtgac 240

<210> 231

<211> 475

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(475)

<223> 5' terminal sequence. growth factor
receptor-bound protein 2 (GRB2) gene.

<400> 231

cttaatggaa aagacggctt cattcccaag aactacatag aaatga aacc acatccgtgg 60
ttttttggca aaatcccag agccaaggca gaagaaatgc ttagcaaaca ggggcacgat 120
ggggcctttc ttatccgaga gagtgcagac gctcctgggg acttctccct ctctgtcaag 180
tttgaaaacg atgtgcagca cttcaagggtg ctccgagatg gagccgggaa gtacttcctc 240
tgggtggtga agttcaattc ttga atgag ctgggtgatt atcacagatc tacatctgtc 300
tccagaaaacc agcagatatt cctgcgggga cattaggaac aggtgccaca gcaggccgac 360
atacgttcca ggggcctttt ttgattttt gattcccag gggggnttgg ngaggttggg 420
ttttccgcgc ggggagattt tattccatgt tcntgggttn aatttaggaa ccntt 475

<210> 232

<211> 1109

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(1109)

<223> growth factor receptor -bound protein 2
(GRB2) gene.

<400> 232

gccagtgaat tggggggctc agccctcctc cctcccttcc cctgcttca ggctgctgag 60
cactgagcag cgctcagaat ggaagccatc gccaaatatg acttcaaagc tactgcagac 120
gacgagctga gcttcaaaaag gggggacatc ctcaagggtt tgaacgaaga atgtgatcag 180
aactggtaca aggcagagct taatggaaaa gacggcttca ttcccaagaa ctacatagaa 240
atgaaaccac atcogtgggt ttttggcaaa atcccagag ccaaggcaga agaaatgctt 300
agcaaacagc ggcacgatgg ggcctttctt atccgagaga gtgagagcgc tctgggggac 360
ttctccctct ctgtcaagtt tggaaacgat gtgcagcact tcaagggtgct ccgagatgga 420
gccgggaagt acttctctg ggtggtgaag ttcaattctt tgaatgagct ggtggattat 480
cacagatcta catctgtctc cagaaaccag cagatatctc tgccgggacat agaacagggtg 540
ccacagcagc cgacatacgt ccaggccctc ttgactttg atcccagga ggatggagag 600
ctgggcttcc gccggggaga ttttatccat gtcattgata actcagaccc caactggtgg 660

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aaaggagctt gccacggg ca gaccggcatg ttccccgcga attatgtcac ccccggtgaac 720
cggaacgtct aagagtc aagcaattat ttaaagaaag tgaaaaatgt aaaacacata 780
caaaaagaatt aaaccacaaa gctgcctctg acagcagcct gtgagggagt gcagaacacc 840
tgcccggttc accctgtgac cctctcactt tgggttggaac tttaggggggt gggagggggc 900
gttggaattta aaaatgcaa aacttaccta taaattaaga agagttttta ttacaaattt 960
tcaactgctgc tctcttttcc cctcctttgt cttttttttc atcctttttt ctcttctgtc 1020
catcagtgc tgacgtttta ggccacgtat agtcctagct gacgccaata ataaaaaaca 1080
agaaacaaaa aaaaaaaaaa ccgaattca 1109

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<210> 233

<211> 446

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(446)

<223> 3' terminal sequence. jun d proto -oncogene
(JUND) gene.

<400> 233

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cgccgctctc ggctgccnng ntgtacaccg cgccggaaaag tggggctccg agggggcgca 60
ctcaaaaccc tgcccttctt ttacttttac tttttttttt ttttctttgg aagagagaag 120
aacagagtgt tcgattctgc cctatttatg tttctactcg ggaacaaacg ttggttgtgt 180
gtgtgtgtgt tttcttgtgt tggtttttta a agaaatggg aagaagaaaa aaaaattctc 240
cgcccccttc ctgatctctg ctccccctt cggttcttcc gaccgggtcc cccctccctt 300
tttttgtttc gttttgtttt gttttgttac gagtccacat tctgtttgt aatccttggg 360
ttcgnccggt tttctgtttt cagtaaaagt tcgttacggc aaaacctcgt gccgaatttt 420
tggggctcga ggggcaaaat ttccca 446

```

<210> 234

<211> 1891

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(1891)

<223> jun d proto -oncogene (JUND) gene.

<400> 234

```

ccgaggctat aagaggggcg acaagtggcg cggcgagga gccgcgccca gtggagggcc 60
gggcgctgcg gccgcggccg gggcgggcgc agggccgagc ggacgggggg gcgcggggcc 120
cccgaggagg cgcgccact ccccccggg ccggcgcggc gggggaggcg gaggatggaa 180
acacccttct acggcgatga ggcgctg agc ggctgggcg gcggcgccag tggcagcggc 240
ggcacgttcg cgtccccggg ccgcttgctc cccggggcgc ccccgacggc cgcggccggc 300
agcatgatga agaaggacgc gctgacgtg agcctgagt agcaggtggc ggcagcgcctc 360
aagcctgcgc ccgcgcccgc ctctacccc cctgcccgcg acggcgcccc cagcgcgcca 420
cccccgacg gcctgctcgc ctctcccgac ctggggctgc tgaagctggc ctcccccgag 480
ctcgagcgcc tcatcatoca gtccaacgg gtgtcacca ccacgccgac gagctcacag 540
ttcctctacc ccaaggtggc ggccagcgag gagcaggagt tcgccgaggg ctctgtcaag 600
gccctggagg atttacaaa gcagaaccag ctcgggcgcg gccgggc cgc tgcgcgcgcc 660
gccgcgcgcg ccgggggggc ctcgggcacg gccacgggct ccgcgcccc ccgcgagctg 720

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153/292

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gccccggcgg cgcccgcgcc cgaagcgcc gtctacgga acctgagcag ctacgcgggc 780
ggcgccgggg ggcgcggggg cgcccgagcg gtgcgcttcg ctgccgaacc tgtgcccttc 840
ccgcccgcgc cccccccagg cgcgt tgggg ccgcgcgcgc tggctgcgct caaggacgag 900
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atggacacgc aggagcgcat caaggcggag cgcaagcgcc tgcgcaaccg catcgccgcc 1020
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ttcctcgatc tcgctcccc ttcgggtctt cgaccgtccc cccctcccc tttttgttc 1800
tgttttgttt tgttttgcta cgagtccaca ttctgtttg taatccttg ttcgcccgtt 1860
tttctgtttt cagtaaagtc tcgttacgcc a 1891

```

<210> 235

<211> 421

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(421)

<223> 3' terminal sequence. swi/snf related,
matrix associated, actin dependent regulator of
chromatin, subfamily a, member 2 (SMARCA2) gene.

<400> 235

```

acaaaaagtc ttcaagccac gagcggaggg cattcctgca ggccatcttg gagcatgagg 60
aggaaaatga ggaagaagat gaagtaccgg acgatgagac tctgaaccaa atgattgctc 120
gacgagaaga agaatttgac ctttttatgc gtagggacat ggaccggcgg agggaagatg 180
cccggaaccc gaaacgggaag ccccgtttaa tggaggagga tgagctgcc tcctggntca 240
ttaaggatga cgctgaagta gaaaggctca cctgtgaaga agaggaggag aaaatatttg 300
ggaggggggc ccgccagcgc cgtgacgtgg actacagtga cgccctcacg gagaagcagt 360
ggctaaaggg cntcgaaga cggcatttng gaggaattng aagaggaata c ggtaagaa 420
g 421

```

<210> 236

<211> 438

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(438)

<223> 5' terminal sequence. swi/snf related,
matrix associated, actin dependent regulator of

chromatin, subfamily a, member 2 (SMARCA2) gene.

<400> 236

```
tggcaatttt ctgccgggca ctcttaaaca ctgactgtaa gacgatggag tcttcataga 60
tctgggatcc ctccaggttg aacgtctgag cg ttgtgaca gagaagcatg acatccttct 120
ccaggtcgcc taggctccgg tacttatgat taogaatcct ttocctttatt tttttgaaat 180
ccactggcctt cctaattaat tcatagtatt ctggtaattc tttccttgaa ggtaactgaa 240
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tgggcacctt ctccacgtta cacctatctt tgtagtttat cacagtattc gatgattagc 360
gttcatctgg ctttgtcagt ttggggggga tttggtgaca gntttntcag cgggagggcg 420
gcctcttctc ttcttagg 438
```

<210> 237

<211> 5257

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(5257)

<223> swi/snf related, matrix associated, actin
dependent regulator of chromatin, subfamily a,
member 2 (SMARCA2) gene.

<400> 237

```
aaaaattttt tgttaccaaa ttttacaact tctaataaga ctactataac tttatgtaaa 60
ctgatgaaga tgtgctgatt aacatattct gtgatatggt ttacaacttt taatcataat 120
tgtccatgat ttgtgaatgc tgttatattat cagtaaagtgt aaaaatatttg aggcatttag 180
ccatacacac actagaactt tttaaaactt tgtcctatag tgtaatta ta aactgatgac 240
tattatcttc atacattgag tcttcatgca tcaatgaaat gaaaaatata ggagtagatg 300
tccacgcccc cagaccctgg tgcgatgcc caccagggc cttcgccggg gcctgggcct 360
tcccctgggc caattcttgg gcctagtcca ggaccaggac catccccagg ttccgtccac 420
agcatgatgg ggccaagtcc tggacc tcca agtgtctccc atcctatgcc gacgatgggg 480
tccacagact tcccacagga aggcattgat caaatgcata agcccatcga tggatatacat 540
gacaagggga ttgtagaaga catccattgt ggatccatga agggcactgg tatgcgacca 600
cctcaccagc gcatggggccc tccccagagt ccaatggatc aacacagcca aggttatatg 660
tcaccacacc catctccatt aggagcccc gagcacgtct ccagccctat gtctggagga 720
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caggccatga gccagcccaa cagaggtccc tcacctttca gtctgtcca gctgcatcag 840
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aaagacaggc gtttagctta ctttttgag cagaccgatg agtatgtagc caatctgacc 1920
```

```

aatctggttt gggagcacia gcaagcccag gcagccaaag agaagaagaa gaggaggagg 1980
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accggcaagg ttctgttcgg accagaagca cccaaagcaa gtcagctgga cgcctggctg 2160
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aacatatgat atcatgggtg aaaaaacaca cacatacaca aatatttgtg accaa atggg 5220
cctcaaagat tcagattgaa acaaacaaaa agctttt 5257

```

<210> 238

<211> 507

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(507)

<223> 3' terminal sequence. protein phosphatase 2
(formerly 2a), regulatory subunit b (pr 52), gamma
isoform (PPP2R2C) gene.

<400> 238

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cccatagaga cctaccaggt ccatgactac cttcggagca agctctgttc cctgtacgag 120
aacgactgca ttttcgacaa gtttgaatgt gcctggaacg ggagcgacan tncatcatga 180
ccggggccta caacaacttc ttccgcatgt tcgatcggaa caccaagcgg gacgtgaccc 240
tgaggagcct cgagggaag cagcaagccc cgggctgtgc tcaagccacg gcgcgtgtgc 300
gtgggggggc aagcgccggc gtgnatga ca tcagtgtggg acagcttggg acttcaccaa 360
gaagatcctg cacacggcct ggcaccggc tgaggaacat catttgccat tcgccgccac 420
caacaacctg ttacatcttt ccaggggcaa ggtaaatttt tgacattgca ttaggtattn 480
tgcaatttcc cggnccttgc caacca                                     507
```

<210> 239

<211> 521

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(521)

<223> 5' terminal sequence. protein phosphatase 2
(formerly 2a), regulatory subunit b (pr 52), gamma a
isoform (PPP2R2C) gene.

<400> 239

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taaacagaca attactgcca aacacaattc tggcctagga aagcgggggn gggagggggc 60
ccaaacttcc tgtgtccaca cactgccacc tctgcagctg tcctcatcag tgggtgtgact 120
ttcttcccct ccttgcatcg cggtcgtgaa ggtcatgtcg gggatgactt gcatgaggct 180
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aagatgtaca gggtgttggg ggcggcgatg gcaatgatgt tctcagccgg gtgccaggcc 300
gtgtgcagga tcttcttggg gaagtccaag ctgttccaaa atgatgtcat cagcgcggcc 360
cttgccccc acgnaaangg ncnnttggtt tnagcaaagc ccng ggtttg ttgcttttcc 420
ctngnaggcn tncaggntca agtnccnttt ggtnttccc gatcgaacat ncggaagaat 480
tttttttagg ccccntcat gatgaacgtg tncgttccct t                                     521
```

<210> 240

<211> 350

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(350)

<223> 3' terminal sequence. thrombospondin 3
(THBS3) gene.

<400> 240

```
cagattcatt nnnnganntg cctgtgacaa ttgccccaac gttcccaaca atgaccagaa 60
ggacacagat ggcaatgggg aaggagatgc ctgtgacaac gac gtggatg gggatgggtgc 120
aggcctgggg ctgaaggggt ggctggggga cctgtgagaa tttggatcag gtggggatga 180
agcaggggaa ctaggaagtc tctgtgaaat agggaggcag gcttntggac gttggcctgg 240
gtgaggagag attacctgca gcagatgtca ataggaatnt gaggtagggc gtagtnttag 300
gcagagtttg gactagaggg t nagacaaga aacaggcaga tttcctggcc 350
```

<210> 241

<211> 2871

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(2871)

<223> thrombospondin 3 (THBS3) gene.

<400> 241

```
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gccagtcagg atctgcaggt aattgacctg ctgactgtgg gcgagtctcg gcagatggta 120
gctgtggcag agaagatccg gacagccttg ctcaactgctg gggacatcta cctcttatcc 180
accttcgcgc tgccccccaa gcagggtggt gtcccttttg g cctctatcc tcgccaagac 240
aacaactgat ggctggaggg ctctgttgta ggcaagatca acaaagtact ggtgcgatac 300
cagcggggagg atggcaaagt ccacgcctg aaacctacagc aagcgggcct ggctgatggg 360
cgcacacaca cagtctctct gcgactccga ggtccctcca gaccagccc tgccctacat 420
ctctacgtgg actgcaaaact gggtgaccaa catgcaggcc ttccagcact ggccccatt 480
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cagggtcttg tggaatctat gaaaattatt ctgggtgggt ccatggcccg ggtaggagcc 600
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cactccattc taggggagca gaccaaggcg ctgggtcacc aactaccct cttcaaccag 720
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```

```

ctgggtaccca atcccaatca gaaggactca gatggcaatg gcgttggtga tgtgtgtgag 2100
gatgactttg acaatgatgc tgtggtogac cccctggatg tgtgtcctga aagtgcagag 2160
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tgcttctccc aagaaaacat aatttgggtc aatctccagt atcgatgcaa tgacacagt 2820
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```

<210> 242

<211> 509

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(509)

<223> 3' terminal sequence. actin, gamma 1 (ACTG1) gene.

<400> 242

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tagaaaacca aaatttggtg tcatctcttc aaagantcga ganttgcgta caaaaaaac 120
cttacataa ttaagantga ntacatttac aggcgtaaat gcaaaccgnt tccaactcaa 180
agcaagtaac agcccacggt gttctggcca aagacatcag ctaagaaagg aaactggggn 240
cctacggctt gggactttcc aacctggac aggaccgca aggncaaac aactgggttc 300
ttgccagcct ctaggaggaa ttcccggaa actcaggccc tggacangtt taataccagg 360
ggggancagt taactttcan tacaggggnc aaaatcaggc aacagttt tt accantccag 420
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tcgtgagggt aggtgaggg tttntgctt 509

```

<210> 243

<211> 393

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(393)

<223> 5' terminal sequence. actin, gamma 1 (ACTG1) gene.

<400> 243

```

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tactcgggtg ggcacgggtg ctccatcctg gctcactgt ccacctcc a gcagatgtgg 120
attagcaagc aggagtacga cgagtcgggc cctccatcg tccaccgcaa atgcttctaa 180
acggactcag cagatgcgta gattttgctg catgggttaa ttgagaatag aaatttgccc 240

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159/292

ctgggaaatt gcacacacct catgctagcc tcacgaaact gggaataagc ctttcgaaaa 300
gaaattgtcc ttgaagcttg tatctgg tat cagcactggg ntgttaggaa nttgttgctg 360
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<210> 244

<211> 1919

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(1919)

<223> actin, gamma 1 (ACTG1) gene.

<400> 244

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acgaggccca gagcaagcgt ggcattcctga ccctgaagta cccattgag catggcatcg 300
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aacattaggc cccagcaaca cgtcattgtg taaggaaaaa taaaagtgtc g ccgtaacc 1919

<210> 245

<211> 467

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(467)
 <223> 3' terminal sequence. integrin, alpha 6
 (ITGA6) gene.

<400> 245
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 cctcttcggc ttctcgtcgg ccatgcactg gcaactgcag cccgaggaca agcggctgtt 180
 gctcgtgggg gccccgcggg agnaagcgt tccactgcag agagccaac a gaacgggagg 240
 gctgtacagc ttgcgacatc accgcccggg ggccatgcac ggggatcgag ttnnataacg 300
 atgcttgacc ccacgtcaga aagcaaggaa gattagttgg atngggggtc aacgtccaga 360
 gccaaaggtc agggggcgaag gtcgtgacat gtgttnaccc tattgaaaaa aggcagcatt 420
 ttattacgna gcangatttc cgagaca ttt ttgggcgttt tttttcc 467

<210> 246
 <211> 473
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(473)
 <223> 5' terminal sequence. integrin, alpha 6
 (ITGA6) gene.

<400> 246
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 aagcgcttct gccgcggggg cccccacgga gcaacagccg cttgtcctcg ggctgcagtt 360
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<210> 247
 <211> 5611
 <212> DNA/RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(5611)
 <223> integrin, alpha 6 (IT GA6) gene.

<400> 247
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 tgcggcgagg gtcctgtcc cg gctcggcg cagccttcaa cttggacact cgggaggaca 240
 acgtgatccg gaaatatgga gaccccgga gctcttcgg cttctcgtc gccatgcact 300

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5611

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<210> 248

<211> 406

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(406)

<223> 3' terminal sequence. rad9 (s. pombe)
homolog (RAD9) gene.

<400> 248

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gcacggntgg agaccacagn acctgggcct gccnttgccc tgagctgcag cctcgccccc 120
aggatcctgn tcacagntca ccgcaggnc gngncaggaa gcagccctgg gggantggaa 180
cgnatgtatt gattcattaa aaaaagaaa gaaaan taca ccaaggttcc atnttccccg 240
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acaatcaatc catcatntgg ggcacagggt ggttttcggg ggctatttnt tggctttggc 360
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```

<210> 249

<211> 2102

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(2102)

<223> rad9 (s. pombe) homolog (RAD9) gene.

<400> 249

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<210> 250

<211> 365

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(365)

<223> 3' terminal sequence. activating
transcription factor 3 (ATF3) gene.

<400> 250

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```

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catcagaatt ttaatagaca gtagccagcg tccttggtggc cagtgtgagt gacttctcac 180
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<210> 251

<211> 453

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(453)

<223> 5' terminal sequence. activating
transcription factor 3 (ATF3) gene.

<400> 251

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<210> 252

<211> 2056

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(2056)

<223> activating transcription factor 3 (ATF3)
gene.

<400> 252

```

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cccgcgcgcc ggccgtgagt cctcggtgct cgcccgcgcg ccagacaaac agcccgcccg 120
accccgctcc gaccctggcc gcccagagcg gagcctggag caaatgatg cttcaacacc 180
caggccaggt ctctgcctcg gaagtgagt cttctgccat cgtcccctgc ctgtcccctc 240
ctgggtcact ggtgtttgag gattttgcta acctgacgcc ctttgtcaag gaagagc tga 300
ggtttgccat ccagaacaag cacctctgcc accggtatgc ctctgcgctg gaatcagtca 360
ctgtcagcga cagaccctc ggggtgtcca tcacaaaagc cgaggtagcc cctgaagaag 420
atgaaaaggaa aaagaggcga cgagaaagaa ataagattgc agctgcaaag tgccgaaaca 480
agaagaaggga gaagacggag tgctgcagc ttcag tatta gcagagccac aggcgcctc 540
tgtggcatca ccagggtttc totgaagaag aggtctgca ttttctaaa ccagtgctg 600
ctctcccatc tccatcttc ctctgcagc ttgatgagc ccggtgtgtc ccaggagtcg 660
gagaagctgg aaagtgtgaa tgctgaactg aaggctcaga ttgaggagct caagaacgag 720
aagcagcatt tgatatacat gctcaacctt catcgcccca cgtgtattgt ccgggctcag 780

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165/292

```

aatgggagga ctccagaaga tgagagaaac ctctttatcc aacagataaa agaaggaaca 840
ttgcagagct aagcagtcgt ggtatggggg cgactgggga gtcctcattg aatcctcatt 900
ttatacccaa aacctgaag ccattggaga gctgtcttcc tgtgtacctc tagaa tccca 960
gcagcagaga accatcaagg cgggagggcc tgcagtgatt cagcaggccc ttcccattct 1020
gccccagagt ggtcttggga ccagggcaag tgcattcttg cctcaactcc aggatttagg 1080
ccttaacaca ctggccattc ttatgttcca gatggccccc agctggtgtc ctgcccgcct 1140
ttcatctgga ttctacaaaa aaccaggatg ccaccgtta gattcaggca gcagtgtctg 1200
tacctcgggt gggagggatg gggccatctc cttaccgtg gctaccattg tcaactcgtg 1260
gggatgtgga gtgagaacag ctttagtga agttgtgcaa cggccagggt tgtgctttct 1320
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ccgatgtttg tgtcacacaa cactgatgtg acttttataat gctttttctc agatctggtt 1440
tctaagagtt ttggggggcg gggctgtcac cacgtgcagt atctcaagat attcagggtg 1500
ccagaagagc ttgtcagcaa gaggaggaac agaattctcc cagcgttaac acaaaatcca 1560
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gtttgcagct gtgagaagtc actcacactg gccacaagga cgctggctac tgtctattaa 1920
aattctgatg tttctgtgaa attctcagag tgtttaattg tactcaatgg tatcattaca 1980
atttctgtga agagaaaata ttacttattt atcctagtat tccaaacctg tcagaata at 2040
aatattgtg gtaaaa                                     2056

```

<210> 253

<211> 502

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(502)

<223> 3' terminal sequence. v-akt murine thymoma
viral oncogene homolog 2 (AKT2) gene.

<400> 253

```

acatcatctc gtacatgacc acaccagcc cantacnntt tccacggccc ggccatagtc 60
attgtcctcc agcacctcag ggcagggta ctccgggggc ccacagaagg ttttcatggg 120
ggccccgtca ctgatgccct ctttgcagag gccaaagtca gtgatcttga tgtggccatc 180
tttgtccagc atgaggtttt ccagcttgat gtgcgggtat accacgtccc gcgagtgcaa 240
gtactcaaga gccgagacaa tctctgcacc ataaaaccgg gcccgtctct ctgtgaagac 300
acgctcccg ggcaggttg gaagaacagc tcacccccgt tgggcatact ccattcaca 360
aggcacaggg cgggtcgtgg ggtctgggaa gggcattant ttcaggcggc agttgaggga 420
acggggttgc nggggtgtt ctgggaggga cccgggtttt cggttgattn ttttgaggcg 480
attttcatcc nttgggcaat tt                                     502

```

<210> 254

<211> 1715

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(1715)

<223> v-akt murine thymoma viral oncogene homolog
2 (AKT2) gene.

<400> 254

```

gaattccagc ggcggcgccg ttgccgctgc cgggaaacac aaggaaaggg aaccagcgc a 60
gcgtggcgat gggcgggggt agagccccgc cggagaggct gggcggtgc cggtagacaga 120
ctgtgcccctg tccacggtgc ctccctgcatg tccctgctgcc ctgagctgtc ccgagctagg 180
tgacagcgta ccacgctgcc accatgaatg aggtgtctgt catcaaagaa ggctggctcc 240
acaagcgtgg tgaatacatc aagacctgga ggccacgg ta ctccctgctg aagagcgacg 300
gctccttcat tgggtacaag gagaggcccc agggccctga tcagactcta ccccccttaa 360
acaacttctc cgtagcagaa tgccagctga tgaagaccga gaggccgcga cccaacacct 420
ttgtcatacg ctgctgcag tggaccacag tcatcgagag gaccttccac gtggattctc 480
cagacgagag ggagga gtgg atgcggggcca tccagatggt cgccaacagc ctcaagcagc 540
gggccccagg cgaggacccc atggactaca agtgtggctc cccagtgac tcctccacga 600
ctgaggagat ggaagtggcg gtcagcaagg cacgggctaa agtgaccatg aatgacttcg 660
actatctcaa actccttggc aagggaacct ttggcaaagt catcctgggt cgggagaa gg 720
ccactggcgc ctactacgcc atgaagatcc tgcgaaagga agtcatcatt gccaaggatg 780
aagtcgctca cacagtcacc gagagccggg tctccagaa caccaggcac ccgttctca 840
ctgocgtgaa gtatgccttc cagaccacag accgcctgtg ctttgtgatg gagtatgcca 900
acgggggtga gctgttcttc cacctgtccc gggagc gtgt cttcacagag gagcgggccc 960
ggttttatgg tgcagagatt gtctcggctc ttgagtactt gcactgcgg gacgtggtat 1020
accgcgacat caagctggaa aacctcatgc tggacaaaga tggccacatc aagatcactg 1080
actttggcct ctgcaaagag ggcacatcag acggggccac catgaaaacc ttctgtggga 1140
ccccggagta cctggcgctt gaggtgctgg aggacaatga ctatggccgg gccgtggact 1200
gggtgggggt ggtgtgtggt atgtacgaga tgatgtgcgg ccgctgccc ttctacaacc 1260
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tcagccccga ggcaagtcct ctgcttgcgt ggctgcttaa gaaggacccc aagcagaggc 1380
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actggcagga cgtggtccag aagaagctcc tgccaccctt caaacctcag gtcacgtccg 1500
aggtcgacac aaggtacttc gatgatgaat ttaccgcccc gtccatcaca atcacacccc 1560
ctgaccgcta tgacagcctg ggctt actgg agctggacca ggggacccac ttccccagt 1620
tctcctactc ggccagcatc cgcgagttag cagtctgccc acgcagagga cgcacgctcg 1680
ctgccatcac cgctgggttg ttttttacct ctgcc 1715

```

<210> 255

<211> 431

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(431)

<223> 5' terminal sequence. s100 calcium-binding
protein, beta (neural) (S100B) gene.

<400> 255

```

gagaggatgt ctgagctgga gaaggccatg gtggcctcat cgacgttttc caccaatatt 60
ctggaaggga gggagacaag cacaagctga agaaatccga actcaaggag ctcatcaaca 120
atgagctttc ccatttctta gaggaatca aagagcagga ggttgtggac aaagtcattg 180
aaacactgga caatgatgga gacggcgaat gtgacttcca gggaattcat ggcttttgtt 240
gccatggtta ctactgcctg ccacgagttc tttgaacat g agtnagatta ggaaagcagc 300
caaacctttt cctgttaaca gaggacggtt catggcaaga naggcaggac aggcaagggg 360
tttgaggct tagttaggga gcttgagggt tttccagccg tntttnttg gttaatntag 420
ggaagggttg a
431

```

<210> 256

<211> 1095
 <212> DNA/RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(1095)
 <223> s100 calcium-binding protein, beta (neural)
 (S100B) gene.

<400> 256
 tgccgcccag gaccgcgacg agagacg acg cctgcagcaa ggagaccagg aaggggtgag 60
 acaaggaaga ggtgtgtctga gctggagaag gccatggtgg ccctcatcga cgttttccac 120
 caatattctg gaagggaggg agacaagcac aagctgaaga aatccgaact caaggagctc 180
 atcaacaatg agctttccca tttcttagag gaaatcaaag agcaggaggt tgtggacaaa 240
 gtcattggaaa cactggacaa tgatggagac ggcgaatgtg acttccagga attcatggcc 300
 tttgttgcca tggttactac tgccctgccac gagttctttg aacatgagtg agattagaaa 360
 gcagccaaac ctttcctgta acagagacgg tcatgcaaga aagcagacag caagggcttg 420
 cagcctagta ggagctgagc tttccagccg tgtttagct aattagga ag cttgatttgc 480
 tttgtgattg aaaaattgaa aacctctttc caaaggctgt tttaacggcc tgcattcattc 540
 tttctgctat attaggcctg tgtgtaagct gactggcccc agggactctt gttaacagta 600
 acttaggagt caggtctcag tgataaagcg tgcaccgtgc agcccgccat ggccgtgtag 660
 accctaaccg ggaggggaacc ctgact acag aaattacccc ggggcaccct taaaacttcc 720
 actaccttta aaaaacaaaag ccttatccag cattatttga aaacactgct gttctttaa 780
 tgcgttcttc atccatgcag ataacagctg gttggccggt gtggccctgc aagggcgtgg 840
 tggcttcggc ctgcttcccg ggatgcccct gatcaccagg tgaacgctca gcgctggcag 900
 cgtcctggaa aaagcaactc catcagaact cgcaatccga gccagctctg ggggctccag 960
 cgtggcctcc gtgacctg cgattcaagt cgcggctgca ggatccttg cttccaacgtg 1020
 cctccagcac atgcggcttc cgagggcact accgggggct ctgagccacc gcgagggcct 1080
 gcgttcaata aaaag 1095

<210> 257
 <211> 542
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(542)
 <223> 3' terminal sequence. atp-binding cassette,
 sub-family b (mdr/tap), member 1 (ABCB1) gene.

<400> 257
 ttttaaaatc tactttaatt ctgttataaa atttataatg cagtttaaac tatgatttct 60
 ctccacttga tgatgtctct cactctgttc ctttaattac gaagtctctg aagactctga 120
 acttgactga ggaaatgtta aacagatacc tcttcataat tctgtaagtgt tttgctttta 180
 actttgaata aatgtcatat ctaaacaat attaaaaagt atttaacatc tcatacagtc 240
 agagttcact ggcgctttgt tccagcctgg aactgacca ttgaaaaata gatgcctttc 300
 tgtgccagca gctgctgatg cgtgccatgc tcttgactc tgccattctg aaacaccact 360
 attaatctg cattctggat ggtggacagg cggtagacaa tcacaatgca ggtgcgccct 420
 tctctggcta tgccagggct tcttgacaaa ccttttcacc tactgtatcc agagctgacg 480
 tggctcatcc aaaagcaaaa tantgggctg tctaacaagg gcacgagcta ttgccatgcg 540
 tt 542

<210> 258
<211> 4643
<212> DNA/RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(4643)
<223> atp-binding cassette, sub-family b
(mdr/tap), member 1 (ABCB1) gene.

<400> 258
cctactctat tcagatattc tccagatt cc taaagattag agatcatttc tcattctect 60
aggagtactc acttcaggaa gcaaccagat aaaagagagg tgcaacggaa gccagaacat 120
tcctcctgga aattcaacct gtttcgcagt ttctcgagga atcagcattc agtcaatccg 180
ggccggggagc agtcatctgt ggtgaggctg attggctggg caggaacagc gccggggcgt 240
gggctgagca cagcgcttcg ctctctttgc cacaggaagc ctgagctcat tcgagtagcg 300
gctcttccaa gctcaaaagaa gcagaggcgg ctgttcggtt cctttagggtc ttccactaa 360
agtgcggagta tcttcttcca agatttcacg tcttggtggc cgttccaagg agcgcgaggt 420
cggtgatgat cttgaagggg accgcaatgg aggagcaaag aagaagaac t tttttaaact 480
gaacaataaa agtgaaaaag ataagaagga aaagaaacca actgtcagtg tattttcaat 540
gtttcgctat tcaaattggc ttgacaagtt gtatatggtg gtgggaactt tggctgccat 600
catccatggg gctggacttc ctctcatgat gctgggtgtt ggagaaatga cagatatctt 660
tgcaaatgca ggaaatttag aagatct gat gtcaaacatc actaatagaa gtgatataca 720
tgatacaggg ttcttcatga atctggagga agacatgacc aggtatgcct attattacag 780
tggaatttgg gctgggggtgc tgggtgctgc ttacattcag gtttcatttt ggtgcctggc 840
agctggaaga caaatacaca aaattagaaa acagtttttt catgctataa tgcgacagga 900
gataggctgg tttgatgtgc acgatgttgg ggagcttaac acccgactta cagatgatgt 960
ctccaagatt aatgaaggaa ttggtgacaa aattggaatg ttctttcagt caatggcaac 1020
atttttcact gggtttatag taggatttac acgtgggttg aagctaacc tttgtatttt 1080
ggccatcagt cctgttcttg gactgtcagc tgctgtctgg gcaaa gatac tatcttcatt 1140
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agcaattaga actgtgattg catttggagg acaaaagaaa gaacttgaaa ggtacaacaa 1260
aaatttagaa gaagctaaaa gaattgggag aaagaaagct attacagcca atatttctat 1320
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agcagcttat gaaatcttca agataattga taataagcca agtattgaca gctatttga a 1560
gagtgggcac aaaccagata atattaaggg aaatttggaa ttcagaaatg ttcacttcag 1620
ttacccatct cgaaaagaag ttaagatctt gaagggtctg aacctgaagg tgcagagtgg 1680
gcagacgggt gccctgggtg gaaacagtgg ctgtgggaag agcacaacag tccagctgat 1740
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tgacaccctg gttggagaga gaggggcccc gttgagtgtt gggcagaagc agaggatcgc 2040
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cttgacacac gaaagcgaag cagtgggtca ggtggtctg gataaggcca gaaaaggctc 2160
gaccaccatt gtgatagctc atcgtttgtc tacagttcgt aatgctg acg tcatcgctgg 2220
tttcgatgat ggagtcattg tggagaaagg aaatcatgat gaactcatga aagagaaagg 2280
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tatgaagcta aatttaactg aatggcctta ttttgttgtt ggtgtatttt gtgccattat 2580
aatggaggc ctgcaaccag catttgcaat aatattttca aagattatag gggtttttac 2640
aagaattgat gatcctgaaa caaacgcaca gaatagtaac ttgttttcac tattgtttct 2700

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agccottgga attattttctt ttattacatt tttccttcag ggtttcacat ttggcaaagc 2760
tggagagatc ctcaccaagc ggctccgata catggttttc cgatccatgc tcagacagga 2820
tgtgagttgg tttgatgacc ctaaaaacac cactg gagca ttgactacca ggctcgccaa 2880
tgatgctgct caagttaaag gggctatagg ttccaggctt gctgtaatta cccagaatat 2940
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actotttagca attgtaccca tcattgcaat agcaggagtt gttgaaatga aaatgttgtc 3060
tggacaagca ctgaaagata agaaagaact agaagggtgct gggaagatcg ctactgaagc 3120
aatagaaaac ttccgaaccg ttgtttcttt gactcaggag cagaagtttg aacatatgta 3180
tgctcagagt ttgcaggtag catacagaaa ctotttgagg aaagcacaca tctttggaat 3240
tacatttttc ttcccccagg caatgatgta tttttcctat gctggatgt t tccggtttgg 3300
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tgtttgtctt ggtgccatgg ccgtggggca agtcagttca tttgctcctg actatgccaa 3420
agccaaaata tcagcagccc acatcatcat gatcattgaa aaaacccctt tgattgacag 3480
ctacagcacg gaaggcctaa tgc cgaacac attggaagga aatgtcacat ttggtgaagt 3540
tgtattcaac tatcccacc gaccggacat cccagtgcct cagggaactga gcctggaggt 3600
gaagaagggc cagacgctgg ctotggtggg cagcagtggt tgtgggaaga gcacagtgtt 3660
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agccagagaa ggccgcacct gcattgtgat tgctcaccg ctgtccacca tccagaatgc 4140
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gctggcacag aaaggcatct atttttcaat ggtcagtgct caggctggaa caaagcgcca 4260
gtgaactctg actgtatgag atgttaata ctttttaata tttgtttaga tatgacattt 4320
attcaaagtt aaaagcaaac acttacagaa ttatgaagag gtatctgttt aacatttctt 4380
cagtcaagtt cagagtcttc agagacttcg taattaaagg aacagagtga gagacatcat 4440
caagtggaga gaaatcatag tttaaactgc attataaatt ttataacaga attaaagtag 4500
atttttaaag ataaaatgtg taattttgtt tataatttcc catttggact gtaactgact 4560
gccttgctaa aagattatag aagta gcaaa aagtattgaa atgtttgcat aaagtgtcta 4620
taataaaact aaactttcat gtg 4643

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<210> 259

<211> 486

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(486)

<223> 3' terminal sequence. selectin e
(endothelial adhesion molecule 1) (SELE) gene.

<400> 259

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caacctttat agtgttatgt caaataggtc tgacataagc ttaaataaat atatacttta 60
aaaattataa aatattttta gttataattt aaaattctca ataaaactca aacacaaacc 1 20
aactgggtat ttcacacagc taattttctaa tgcagtttac ataaatattt acaacactta 180
aacaatttca aagaaaataa cactgtatct catacatagc ctgatcacag tagttgttct 240
ctottatttc ccagagtttt tctgcccctt taaaaggaac ctctggctgt tctgancctt 300
atcacatctc tgttttgact gttgggcttt ggttggttgc cagtgggttc gccaggaaact 360
tctctgggaa actttttttt tcaacactgg ctagggtang gggngttag gggggnggt 420
ttggtttcnt cacantccct cagggtnggg ggcgggttng ggnattacc ggcggggggg 480
tttttc 486

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<210> 260
 <211> 478
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(478)
 <223> 5' terminal sequence. selectin e
 (endothelial adhesion molecule 1) (SELE) gene.

<400> 260
 gcctactatg ccagatgcct ttatggctga aaccgcaaca cccatcacca cttcaataga 60
 tcaaagtcca gcaggcaagg acggccttca actgaaaaga ctcaagtgtc cctttcctac 120
 tctcaggatc aagaaagtgt tggctaataa agggaaagga tattttcttc caagcaaagg 180
 tgaagagacc aagactctga aatctcagaa ttcttttctt aactctccct tgctcg ctgt 240
 aaaatcttgg cacagaaaca caatatcttg tggctttctt tcttttgccc ttcacagtgt 300
 ttcgacagct gattacacag ttctgtcat aaggaatgaa taattaatta tccagagttt 360
 agaggaaaaa aatgactaaa aatattatta acttaaaaaa tggacagggtg ttggatgccc 420
 acaggcaaat gcatgggggg gttgtttaat gggt gcaaat ccctacttga atgctctt 478

<210> 261
 <211> 3834
 <212> DNA/RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(3834)
 <223> selectin e (endothelial adhesion molecule 1)
 (SELE) gene.

<400> 261
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 ccaaaacgga aagtatttca agcctaaacc tttgggtgaa aagaactctt gaagtcatga 120
 ttgcttcaca gtttctctca gctctcactt tgggtgcttct cattaagag agtggagcct 180
 ggtcttacaa cacctccacg gaa gctatga cttatgatga ggccagtgtt tattgtcagc 240
 aaaggtagac acacctgggt gcaattcaaa acaaagaaga gattgagtac cttaaactcca 300
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 ccctggaatc ccctgagcat ggaagcctgg tttgcagtca cccactggga aacttcagct 720
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```

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<210> 262

<211> 267

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(267)

<223> 3' terminal sequence. epidermal growth factor (beta-urogastrone) (EGF) gene.

<400> 262

gtttatgttt ttgggtgattt tattttaaata attagaagaa attcatcggt gt ctataatg 60

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```

aaaacaaatc aggcaattta ottacaatct tgtaactgaa aatacatata aattctgtgc 120
aatcacacca agagggaaaa ttctgtaggg gaaaaggaca gtaatgacta agaaactccg 180
aagcctcctg tgtaatatTTT taaaatanaa tgTTTTcatt caaatatTTT aaaaaataag 240
natctaattct gaaaaaatca gTTTcta                                267

```

<210> 263

<211> 383

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(383)

<223> 5' terminal sequence. protein kinase c
substrate 80 k-h (PRKCSH) gene.

<400> 263

```

ggagtcagag gtgcaggggg agcagcccaa gccggccagc cctgctgagn gaagacaaaa 60
tnccgcccta cgacgagcag acgcaggcct tcatcgatgc tgcccaggag gcccgcaaca 120
agttcgagga ggccgagcgg tcgctgaagg acatggagga gtccatcagg aacctggnag 180
caaganattt ctttgactt tggccccaac ggnagttttg cttacctgta cagccagtgc 240
tacgagctca ccaccaacga atacgtctac cgctctncc ccttcaagct tgtnttcgna 300
gaaacccaaa ctcgggggct ctcccaccag ccttggcacc tgggggcttc atgggattgg 360
gccccgacca cnacaatttc agt                                383

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<210> 264

<211> 2056

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(2056)

<223> protein kinase c substrate 80k -h (PRKCSH)
gene.

<400> 264

```

ggaaccgcgg ctgctggaca agaggggtgc ggtggatact gacctttgct cgggcctcgt 60
cgtgaagaca cagcgcatct ccccgctgta ggcttctccc acagaaccgg ttccgggcct 120
cagagcgtct ggtgagatgc tgttgcgcgt gctgctgctg ctacccatgt gctgggccgt 180
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gcctttcacc tgctggacg gttcggccac cateccattt gatcagggtca acgatgacta 300
ttgcgactgc aaagatggct ctgacgagcc aggcacggct gcctgtccta atggcagctt 360
ccactgcacc aacactggct ataagccct gtatatcccc tccaaccggg tcaacgatgg 420
tgtttgtgac tgctgcgatg gaacagacga gta caacagc ggcgctcatct gtgagaacac 480
ctgcaaagag aagggccgta aggagagaga gtccctgcag cagatggccg aggtcacccg 540
ogaagggttc cgtctgaaga agatccttat tgaggactgg aagaaggcac gggaggagaa 600
gcagaaaaag ctattgagc tacaggctgg gaagaagtct ctggaagacc aggtggagat 660
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cctcctcagt ggggacacac agacagacgc cactctttc tacgaccgag tctgggccgc 960

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catcagggaac aagtaccggt ccgaggcact gccaccgac cttccagcac cttctgcccc 1020
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gccgcctac gacgagcaga cgcaggcctt catcgatgct gcccaggagg ccgcacaaca 1260
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cctgccacc ctcctagtgg ggactagtga atgacttgac ctgtgacctc aatacaataa 2040
atgtgatccc ccacc 2056

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<210> 265

<211> 379

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence :primer

<220>

<221> misc_feature

<222> (1)..(379)

<223> 5' terminal sequence. diphtheria toxin
receptor (heparin-binding epidermal growth
factor-like growth factor) (DTR) gene.

<400> 265

```

ggttctgtga cccatctgta gtaatttatt gtctgtctac atttctgc ag atcttccgtg 60
gtcagagtgc cactgcggga ntctgtatgg tcaggatgta ggggttaact tggtcagagc 120
cactctatga gttgacttc agtcttgcc aggcgatttt gtctaccatt tgtgttttga 180
aagcccaagg tgctgatgtc aaagtgtaac agatatcagt gtctccccgt gtcctctccc 240
tgccaagtct cagaagaggc tgggctt cca tgcctgtagc ttctctgggc cctcaccccc 300
atggcccccag gccacagcg tggagactnc actttnccct tgtgtcaaga catttctctn 360
aactcctgnc attcttctg 379

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<210> 266

<211> 2360

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(2360)

<223> diphtheria toxin receptor (heparin-binding
epidermal growth factor-like growth factor) (DTR)
gene.

<400> 266

```

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gggcgggctg agtgagcaag acaagacact caagaagagc gagctgcgcc tgggtcccgg 120
ccaggcttgc acgcagaggg gggcggcaga cgggtgcccg cggaatctcc tgagctcgc 180
cgcccagctc tgggtccagc gccagtggc cgcgccttcg aaagtgactg gtgcctcgc 240
gctcctctc tctcgccact ggtgactggc gagagcctgg agcggcttcg gagagggcta 360
gctgcagttc tctcgccact ggtgactggc gagagcctgg agcggcttcg gagagggcta 360
gctgctggaa ccagcaaccc ggaccctccc actgtatcca cggaaccagct gctaccccta 420
ggaggcgggc gggaccggaa agtccgtgac ttgcaagagg cagatctgga cctttt gaga 480
gtcactttat cctccaagcc acaagcactg gccacaccaa acaaggagga gcacgggaaa 540
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gacttctgca tccatggaga atgcaaatat gtgaaggagc tccgggctcc ctctgcac 660
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ataaaaaaaaa aaaaaaaaaa

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<210> 267

<211> 435

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(435)

<223> 5' terminal sequence. integrin, beta 2
 (antigen cd18 (p95), lymphocyte
 function-associated antigen 1; macrophage antigen
 1 (mac-1) beta subunit) (ITGB2) gene.

<400> 267

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aggagtgcgc cggtgcgc tcaccctgtg gcaagtacat ctctgcgc gagtgctga 60

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gaacaacccc gtgaaggcca ggacctgcaa ggagaggac tcagag ggct gctgggtggc 180
ctacacgctg gagcagcagg acgggatgga ccgtacctc atctatgtgg atgagagccg 240
agagtgtgtg gcaggcccca acatcgccgc catcgctggg ggaccgtgg gcaggcatcg 300
tgctgatcgg cattctcctg ctggtcactt gggaaggctc tgatccacct gagcgacctc 360
cgggagttac aggcgttttg agna ggagaa gctcaagtcc cagtnggaac aatgattatt 420
ccctttttca agagc 435

```

<210> 268

<211> 2776

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(2776)

<223> integrin, beta 2 (antigen cd18 (p95),
 lymphocyte function-associated antigen 1;
 macrophage antigen 1 (mac-1) beta subunit) (ITGB2)
 gene.

<400> 268

```

cagggcagac tggtagcaaa gccccacgc ccagccagga gcaccgccc ggact ccagc 60
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ctcgggtgcg tcctctctca ggagtgcacg aagttcaagg tcagcagctg ccgggaatgc 180
atcgagtcgg ggcccggctg cactggtgc cagaagctga acttcacagg gccgggggat 240
cctgactcca ttcgctgcga caccggcca cagc tgctca tgaggggctg tgcggctgac 300
gacatcatgg accccaag cctcgctgaa acccaggaag accacaatgg gggccagaag 360
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gtgaccttcc ggcgggccaa gggctacccc atcgacctgt actatctgat ggacctctcc 480
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tttcagaccg aggtcgggaa gcagctgatt tccggaaacc tggatgcacc cgagggtggg 780
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ggcccttttg ggaagaactg cagcgcgggc tgtcc gggcc tgcagctgtc gaacaacccc 2040
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ccatggccgg ccggtgcttc tgggggctcg tcggggggac agctccactc tgactggcac 2580
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<210> 269

<211> 449

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(449)

<223> 5' terminal sequence. neogenin (chicken)
homolog 1 (NEO1) gene.

<400> 269

```

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gccagcaatc ccgctccag gacctccac ctatgatcct gcattgcaa gcacaccatt 180
actgtcccag caagctctga accatcacat tcaactcagt aagacagcct ccatcgggac 240
tctagggaag ggagcggcc tcctatgcca gtggttggtc ccagtgcctc t gaagtgcag 300
ggagaccaca aggtgtgttg gaaggattnc gagagtaggt attgaaccag ntgaggttga 360
ncaaagagtt gggccatngg gggagggtt aattgaangg gaccttaaac gttttttnac 420
aacagcttga cggactttta acggggggc 449

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<210> 270

<211> 5297

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(5297)

<223> neogenin (chicken) homolog 1 (NEO1) gene.

<400> 270

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cggctgaggc gcgcgggagg gaaggaggca agggctccgc ggcgctgtcg cgtgcccgt 120
cactctcggg gaagagatgg cggcggagcg gggagcccgc cgactcctca gcacccccctc 180
cttctggctc tactgcctgc tgctgtcgg gcgcggggcg ccgggcgcgc cggcggccag 240
gagcggctcc gcgcgcagc cccaggagc cagcattcga acgttcaactc ctttttattt 300
tctggtggag ccggtggata cactctcagt tagaggtct tctgttatat taaactgttc 360
agcatattct gagccttctc caaaaattga atggaaaaa gatggaactt ttttaactt 420
agtatcagat gatcgacgcc agcttctccc ggtatgatct ttatttatca gcaatgtggt 480

```

gcattccaaa cacaataa ac ctgatgaagg ttattatcag tgtgtggcca ctgttgagag 540
tcttggaaact attatcagta gaacagcgaa gctcatagta gcaggtcttc caagattttac 600
cagccaacca gaaccttcct cagtttatgc tgggaacgga gcaattctga attgtgaagt 660
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tggcgggctt tatcgctgcg tagtggaag tgggtggcca ccaaagtata gtgatgaagt 840
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gccaccagtg ggagttcagg cttccattct gagtcatgac accatcagga ttactgtggc 2760
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cagtcactc taccaccgg gcagcccag gcccattggc acatccatgt ccttttcaga 4020
cagggccaat tccacagaat ccgttcgaaa tacccccagc actgacacca tgccagcctc 4080
ttcgtctcaa acatgctgca ctgatcacca ggacctgaa ggtgctacca gctcctctta 4140

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tgatcctgca ttgccaagca caccattact gtcccagcaa gctctgaacc atcacattca 4320
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gcctctctca ccagctggtt atccatcact ctgaggggga ggaaatggtg cattgctgtt 5160
tgtaagcttt ttttattatt ttttattat aattattaaa ggctgactc tttctctca 5220
tactgtgag attacagatc tatttgaatt gaatgaaatg taacat tgaa aaaaaaaaaa 5280
aaaaaaaaa aaaaaaa 5297

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<210> 271

<211> 389

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(389)

<223> 3' terminal sequence. pou domain, class 2,
transcription factor 2 (POU2F2) gene.

<400> 271

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caggaattt nttcatnatg gaaaaagaca actgaatgcc ctcaactgaa tgtcttcac 60
ccctcttgcc tgaaatttcc accttcccat aggctgggga gggagtcagt tccagagcag 120
aggaggggtg caggggttga gagggacttg tgagagctag aacttggcaa aatggcctag 180
cccacccttc aaaggggaaa agagggagga acaggggatg aaaagtntc cgcagccttc 240
ccttgaactc tccctgtctg ggggagggag gaggttaaag caagacccc tgcccagggtg 300
gggagagctg ggggccaggg gagaagggga caaatggtag ggacacattc tgtttgagca 360
caatgctaaa aattctgtac atcctttg 389

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<210> 272

<211> 2048

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(2048)

<223> pou domain, class 2, transcription factor 2
(POU2F2) gene.

<400> 272

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cactccagca tgggggctcc agaaataaga atgtctaagc ccctggaggc cgagaagcaa 120
ggtctggact ccccatcaga gcacacagac accgaaagaa atggacca ga cactaatcat 180
cagaaccccc aaaataagac ctccccattc tccgtgtccc caactggccc cagtacaaag 240
atcaaggctg aagaccccag tggcgattca gccccagcag caccctgcc ccctcagccg 300
gcccagcctc atctgcccc a gcccacac c atgttgacgg gcagccagct agctggggac 360
atacagcagc tcctccagct ccagca gctg gtgcttgtgc caggccacca cctccagcca 420
cctgctcagt tcctgctacc gcaggcccag cagagccagc caggcctgct accgacacca 480
aatctattcc agctacctca gaaaacccag ggagctcttc tgacctcca gcccggggcc 540
gggcttccca cacagccccc caaatgcttg gagccaccat cccaccccga ggagcccagt 600
gatctggagg agctggagca attcgccgc accttcaagc aacgcgcgcat caagctgggc 660
ttcacgcagg gtgatgtggg cctggccatg ggcaagctct acggcaacga cttcagccag 720
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agaggggcag gaggccagt gtggggagc agagggctct cagagcagga gtgacaaggg 1860
aggaaagacc aaaaaaacia ccaacaaaaa aaaaaaaaaa aaaggaaag aaactaacca 1920
acaaaagaga aaacaaaaaa taatcacaac agaaaccagc tgcccaaaag gaaccagagg 1980
tgaaaaacaa acaaaaaaaa ccaaaaaaaa accaaaaaaa aaaaaaaacc tctacccct 2040
ctagagcc 2048

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<210> 273

<211> 472

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(472)

<223> 3' terminal sequence. baculoviral iap
repeat-containing 4 (BIRC4) gene.

<400> 273

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ttttctatct ttccaccagc atggaaca at tgattccttt ttcacacaaa acaaattatg 60
tgattgggga gattaactct aatctccaca tttatataca gaaagctcca tttgttaagc 120
ctatctgaaa agaataaaaa atccagatga ttaattcact tacacttaga aattaaatca 180
gtatactatg aatacacatt gtgttcagtt atagtatgat gcttcttatt cttagtctat 240
ggttttcaatt aaataacagt aaaaaaaatg gataatacag ctaataacct gaaaaatcaa 300
gaaattcaaa gattatattg ccaactaaaa cactgccatg tacatttttt ttctactttg 360
gtagcaaatg ctaatggaat tcaatcctga ttacttaaa tcagttcaca tcacacattc 420
aatcagggta ataagaacaa cataacatgc ctaccataga gttagatta a ga 472

```


<210> 274
 <211> 2540
 <212> DNA/RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(2540)
 <223> baculoviral iap repeat -containing 4 (BIRC4)
 gene.

<400> 274
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 aaaacttggt tacctgcaga catcaataag gaagaagaat ttgtagaaga gtttaataga 120
 ttaaaaaactt ttgctaattt tccaagtggt agtcctgttt cagcatcaac actggcacga 180
 gcagggtttc ttataactgg tgaaggagat accgtgcggt gcttt agttg tcatgcagct 240
 gtagatagat ggcaatatgg agactcagca gttggaagac acaggaaagt atcccaaat 300
 tgcagattta tcaacggcct ttatcttgaa aatagtgcca cgcagtctac aaattctggt 360
 atccagaatg gtcagtacaa agttgaaaac tatctgggaa gcagagatca ttttgcctta 420
 gacaggccat ctgagacaca tgc agactat cttttgagaa ctgggcaggt ttagatata 480
 tcagacacca tatacccgag gaaccctgac atgtattgtg aagaagctag attaaagtcc 540
 tttcagaact ggccagacta tgctcaccta accccaagag agttagcaag tgctggactc 600
 tactacacag gtattggtga ccaagtgcag tgcttttgtt gtggtggaaa actgaaaaat 660
 tgggaacctt gtgatcgtgc ctggtcagaa cacaggcgac actttcctaa ttgcttcttt 720
 gttttggggc ggaatcttaa tattcgaagt gaatctgatg ctgtgagttc tgataggaat 780
 ttcccaaat caacaaatct tccaagaaat ccatccatgg cagattatga agcacggatc 840
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 tggaagccca tggaagacc ttgggaacaa catgctaaat ggtatccagg gtgcaaatat 1020
 ctgttagaac agaagggaca agaatatata aacaatattc atttaactca ttcacttgag 1080
 gagtgtctgg taagaactac tgagaaaaca ccatcactaa ctagaagaat tgatgatacc 1140
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 tattaccctg attgaatgtg tgatgtgaac tgactttaag taatcaggat tgaattccat 1620
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 ttaaatgttg tttctcttcg gggagggggg gattggggga ggggccccag aggggtttta 2340
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 ctgagtgtcg gggcactttg 2540

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<210> 275
 <211> 842
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(842)
 <223> 3' terminal sequence. death associated
 protein 3 (DAP3) gene.

<400> 275
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 atccaataaa ctgatataaa gtttttaggaa caagggaata tcttattgtc acgcattcac 120
 agtgaaaacc attttaatgc aggtccagag ccaactgcag tcctgtccaa tcccataggt 180
 acaagggcct ggctcctctt cctgtgtact gcccgacttc ctcatcttac tgggtccagc 240
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 ttcaaattcc tttgggttat agttggaaac caggatggga ataaagggat ccagggcac 480
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 gagggttctt ccccaangag cattgatgcc accacggcca cctatg ggtg aaacataccc 720
 caatgaactt tgctctttag ctctttcagc acaatttcaa actgatctgg tgcgtccctc 780
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 ct 842

<210> 276
 <211> 1608
 <212> DNA/RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(1608)
 <223> death associated protein 3 (DAP3) gene.

<400> 276
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 ggaccctggc cgttttttac acatggggac ccaggctcgc caaagcattg ctgctcacct 180
 agataaccag gttccagttg agagtcagag agctatttcc cgcaccaatg agaatgacct 240
 ggccaagcat ggggatcagc acgagggtca gcacta caac atctcccccc aggatttga 300
 gactgtattt ccccatggcc ttcctcctcg ctttgtgatg caggtgaaga cattcagtga 360
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 agatgctcat ctttgggtga aaaattgtcg ggatcttctg cagtccagct acaacaaaca 600
 gcgctttgat caacctttag aggccttcaac ctggctgaag aatttcaaaa ctacaaatga 660
 gcgcttcctg aaccagataa aagttcaaga gaagtatgtc tggaataaga gagaaa gcac 720
 tgagaaaggg agtcctctgg gagaagtggg tgaacagggc ataacacggg tgaggaacgc 780
 cacagatgca gttggaattg tgctgaaaga gctaaagagg caaagttctt tgggtatgtt 840
 tcacctccta gtggccgtgg atggaatcaa tgctctttgg ggaagaacca ctctgaaaag 900

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agaagataaa agcccgattg ccccgagga atta gcactt gttcacaact tgaggaaaat 960
gatgaaaaat gattggcatg gagggcccat tgtgtcggct ttgagccaga ctgggtctct 1020
ctttaagccc cggaagcct atctgcccc ggagttgctg ggaaaggaag gatttgatgc 1080
cctggatccc ttattccca tcttggttc caactataac ccaaaggaat ttgaaagttg 1140
tattcagtat tatttgaaa acaattggct tcaacatgag aaagctccta cagaagaagg 1200
gaaaaaagag ctgctgttc taagtaacgc gaaccctcg ctgctggagc ggcactgtgc 1260
ctacctctaa gccaaagatca cagcatgtga ggaagacagt ggacatctgc tttatgctgg 1320
accagtaag atgaggaagt cgggcagtac acaggaagag gagccaggc c ttgtacctta 1380
tgggattgga caggactgca gttggtctg gacctgcatt aaaatgggtt tcaactgtgaa 1440
tgcgtgacaa taagatatc cctgttctt aaaactttat atcagtttat tggatgtggt 1500
ttttcacatt taagataatt atggctcttt tctaaaaaa taaatatct ttctaaaaaa 1560
aaaaaaaaa aaaaaaaaaa aaa aaaaaa aaaaaaaaaa aaaaaaa 1608

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<210> 277

<211> 361

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(361)

<223> 5' terminal sequence. gonadotropin -releasing hormone 1 (leutinizing -releasing hormone) (GNRH1) gene.

<400> 277

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ttagattgca tgctattgta tgtctacagg gcatttgaca gcccaaggnt aaatccagg 60
gggacgggtat ctaatgatgt cctgtccttc actgtccttg ccatcaccag ccacagagat 120
ccaggctttg gggactccca cagcttatcg accag tgttt gatttagttt ttagcctctt 180
tcccatcaaa tgaaaattaa cttggagaca catttcatta gaaaattaga ggcccccttg 240
gctaggaagg catctggtct ggggactaac tactttgaac agtgttgagt cctctctccc 300
acagatgggt cagccagcag taatgctnag ggaagactga agggatcaaa taganaaatg 360
t 361

```

<210> 278

<211> 470

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(470)

<223> gonadotropin-releasing hormone 1 (leutinizing -releasing hormone) (GNRH1) gene.

<400> 278

```

gggatctttt tggtctcttg cctctaaaca gaatgaagcc aattcaaaaa ctctagctg 60
gccttattct actgacttg tgctggaag gctgctccag ccagcactgg tcttatggac 120
tgcgccctgg aggaagaga gatgccgaaa atttgattga ttctttcca a gagatagtca 180
aagaggttgg tcaactggca gaaacccaac gtttcgaatg caccacgcac cagccacgtt 240
ctcccctcgg agacctgaaa ggagctctgg aaagtctgat tgaagaggaa actgggcaga 300
agaagattta aatccattgg gccagaagga atgaccatta ctaacatgac ttaagtataa 360
ttctgacatt gaaaatttat aacctat taa atacctgtaa atggtatgaa ttcagaaaat 420

```

cettacacca agttgcacat attccataat aaagtgtgtgt gttgtgaatg

470

<210> 279
<211> 320
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(320)
<223> 3' terminal sequence. interleukin 2
receptor, gamma (severe combined immunodeficiency)
(IL2RG) gene.

<400> 279
ntctaaatat caacagaaac tttattttctc atcgggttcag gaacaatcgg agggtagatg 60
gaaagaggaa gggaggggaaa gagggagggga ggaagaatcc tgcgaaaagg aaggggccaga 120
ctgaggggaga agaaaaacat gttcggggca aaagggtaat tctcaagtgg ggaatgcca 180
atgaaggggt gcttacatgg gggcacaaaa ttccaaatca gccacagtgg ggtgaggtga 240
gtatgagacg caggtgggggt tgaatgaagg aaagttagta cnccttaggg ctacaggacc 300
ctggggttct tctttcag ag 320

<210> 280
<211> 407
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(407)
<223> 5' terminal sequence. interleukin 2
receptor, gamma (severe combined immunodeficiency)
(IL2RG) gene.

<400> 280
attcggcaca gggaactttt cggcctggag tgggtgtgtct aagggaactgg ctgagagtct 60
gcagccagac tacagtgaac gactctgcct cgtcagttag attcccccaa aaggaggggc 120
ccttggggag gggcctgggc tncccatgc aaccagcata gccctactg ggcccccca 180
tgttacacc taaagcctga aacctgaacc ccantactct gacagaagaa cccaggggtc 240
ctgtagccct aagtgggtact aactttcctt cattcaacc acctgcgtct tatactcanc 300
tcancaccact gttggctgat tttggatttt tgtggcccca tgtaaggaa cctttaattt 360
ggcattnccc aattgagaat taaccttttt gnccogaaca tgttttt 407

<210> 281
<211> 1451
<212> DNA/RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature
 <222> (1)..(1451)
 <223> interleukin 2 receptor, gamma (severe
 combined immunodeficiency) (IL2RG) gene.

<400> 281
 gaagagcaag cgccatgttg aagccatcat taccattcac atccctctta ttctgcagc 60
 tgccctgtct gggagtggg ctgaacacga caattctgac gcccaatggg aatgaagaca 120
 ccacagctga tttcttctg accactatgc cactgactc cc tcagtgtt tccactctgc 180
 cctccccaaga ggttcagtgt tttgtgttca atgtcgagta catgaattgc acttgaaca 240
 gcagctctga gcccagcct accaacctca ctctgcatta ttggtacaag aactcggata 300
 atgataaagt ccagaagtgc agccactatc tattctctga agaaatcact tctggctgtc 360
 agttgcaaaa aaaggagatc cacctctacc aaacatttgt tgttcagctc caggaccac 420
 gggaacccag gagacaggcc acacagatgc taaaactgca gaatctggtg atccctggg 480
 ctccagagaa cctaacactt cacaactga gtgaatccca gctagaactg aactggaaca 540
 acagattctt gaaccactgt ttggagcact tgggtcagta ccggactgac tgggaccaca 60 0
 gctggactga acaatcagt gattatagac ataagttctc cttgcctagt gtggatggg 660
 agaaaogcta cagtttctg gttcggagcc gotttaacc actctgtgga agtgcacgc 720
 attggagtga atggagccac ccaatccact gggggagcaa tacttcaaaa gagaatcctt 780
 tctgtttgc attggaagcc gtggttatct ctgttggtc catgggattg attatcagcc 840
 ttctctgtgt gtatttctg ctggaacgga cgatgcccg aattcccacc ctgaagaacc 900
 tagaggatct tgttactgaa taccacggga acttttcggc ctggagtggg gtgtctaagg 960
 gactggctga gagtctgcag ccagactaca gtgaacgact ctgctctgctc agtgagattc 1020
 ccccaaaagg agggggcc tt ggggaggggc ctggggcctc cccatgcaac cagcatagcc 1080
 cctactgggc ccccccattg tacaccctaa agcctgaaac ctgaacccca atcctctgac 1140
 agaagaaccc cagggtctctg tagccctaag tggactaac ttctcttcat tcaaccacc 1200
 tgcgtctcat actcacctca cccactgtg gctgatttg aattttgtgc ccccatg taa 1260
 gcaccccttc atttggcatt cccacttga gaattaccct ttgcccga acatgttttt 1320
 cttctccctc agtctggccc ttcttttctg caggattctt cctccctccc tctttccctc 1380
 ccttctctt tccaactacc ctccgattgt tctgaaccg atgagaaata aagtttctgt 1440
 tgataatcat c 1451

<210> 282
 <211> 317
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(317)
 <223> 3' terminal sequence. death associated
 protein 3 (DAP3) gene.

<400> 282
 atctaacaca aacttttaga aagatatttt attttttagg aaaagagcca taattatctt 60
 aaatgtgaaa aaccacatcc aataaactga tataaagttt taggnacaag ggaatatctt 120
 attgtcacgc attcacagt aaaccattt taatgcaggt ccagagccaa ctgcagtcct 180
 gtccaatccc atagggtaga agggcctggg ctctcttcc tgtgtactgc ccgacttctt 240
 catcttactg ggtccagca taaagcagga tgtccactgt ctctctcaca tgctgtganc 300
 ttggncttag gaggtag 317

<210> 283
 <211> 358
 <212> DNA
 <213> Artificial Sequence

185/292

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(358)

<223> 5' terminal sequence. death associated protein 3 (DAP3) gene.

<400> 283

aggacgggag ctttgagacc ggccccaggg agcgtgtgtc ggtcgcctag tctggagaac 60
 tagtcctcga ctacagtgca aggatgatgc tgaaaggaat aacaaggctt atctctagga 120
 tccataagtt ggaccctggg cgttttttac acatggggac ccaggctcgn caaagcattg 180
 ctgctcacct agataaccca ggttcccagt tgagagtcct gagagctatt ttcccgaac 240
 caatgagaat gaccccgggc caagcatggg ggatcancaa ggaggggtcaa gcaa tnacaa 300
 canttttccc cccaggattt tgggagaatt gtaattttcc ccatnggcct ttncttcc 358

<210> 284

<211> 416

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(416)

<223> 5' terminal sequence. ptk2 protein tyrosine kinase 2 (PTK2) gene.

<400> 284

gcacagaagc tattgaactc tgacctgggt gagctcatca acaagatgaa actggcccag 60
 cagtatgtca tgaccagcct ccagcaagag tacaaaaagc aaatgctgac tgctgtcac 120
 gccctggctg tggatgccaa aaacttactc gatgtcattg a ccaagcaag actgaaaatg 180
 cttgggcaga cgagaccaca ctgagcctcc cctaggagca cgtcttgcta cctctttttg 240
 aagatgttct ctagccttcc accagcagcg agganttaac cctgtgtcct cagtncgcca 300
 gcacttacag ctccaacttt tttgaatgac catctgggtg aaaaatcttt ctcatataag 360
 tttnaaccac atttggattt ggggttcatt ttttgttttg ttttttttc aatcat 416

<210> 285

<211> 3052

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(3052)

<223> ptk2 protein tyrosine kinase 2 (PTK2) gene.

<400> 285

ccggtgtgaa ggccatgagt gattactggg ttgttggaag gaagtctaac tatgaagtat 60
 tagaaaaaga tgttggttta aagcgatttt ttccaaagag tttactggat tctgtcaagg 120
 ccaaaacact aagaaaactg atccaacaaa cathtagaca atttgccaac cttaatagag 180
 aagaaagtat tctgaaattc tttgagat cc tgtctccagt ctacagattt gataaggaat 240
 gttcaagtg tgctcttggg tcaagctgga ttatttcagt ggaactggca atcggccag 300

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aagaaggaat cagttaccta acggacaagg gctgcaatcc cacacatott gctgacttca 360
ctcaagtgc aaccattcag tattcaaaca gtgaagacaa ggacagaaaa ggaatgctac 420
aactaaaaat agcaggtgca cccgagcctc tgacagtgac ggcaccatcc ctaaccattg 480
cggagaatat ggctgaccta atagatgggt actgccggct ggtgaatgga acctcgcagt 540
catttatcat cagacctcag aaagaagggt aacggggcttt gccatcaata ccaaagttgg 600
ccaacagcga aaagcaaggc atgcggacac acgccgtctc tgtgtcag aa acagatgatt 660
atgctgagat tatagatgaa gaagatactt acaccatgcc ctcaaccagg gattatgaga 720
ttcaaagaga aagaatagaa cttggacgat gtattggaga aggccaatlt ggagatgtac 780
atcaaggcat ttatatgagt ccagagaatc cagctttggc gtttgcaatt aaaacatgta 840
aaaactgtac ttcggacagc gtgaga gaga aattttcttca agaagcctgc cattacacat 900
ctttgcactg gaattgggtc agatatataa gtgacctaag tgttgatgcc tgcccagacc 960
ccaggaatgc agagttaaca atgcgtcagt ttgaccatcc tcatattgtg aagctgattg 1020
gagtcatcac agagaatcct gtctggataa tcatggagct gtgcacactt ggagagctga 1080
ggtcattttt gcaagtaagg aaatacagtt tggatctagc atctttgatc ctgtatgcct 1140
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ctgctcggaa tgttctgggt tctcctcaatg atttgttaaa attaggagac tttggattat 1260
cccgatatat ggaagatagt acttactaca aagcttccaa a ggaaaattg cctattaaat 1320
ggatggctcc agagtcaatc aattttcgac gttttacctc agctagtgc gtatggatgt 1380
ttgggtgtgt tatgtgggag atactgatgc atgggtgtgaa gccttttcaa ggagtgaaga 1440
acaatgatgt aatcgggtcga attgaaaatg gggaaaagatt accaatgcct ccaaattgtc 1500
ctcctaccct ctacag cctt atgacgaaat gctgggccta tgaccccagc agggcgccca 1560
ggtttactga acttaaagct cagctcagca caatcctgga ggaagagaag gctcagcaag 1620
aagagcgcct gaggatggag tccagaagac agggcacagt gtccctggac tccggagggt 1680
ctgatgaagc accgcccag cccagcagac cgggttatcc cagtccgagg tccag cgaag 1740
gattttatcc cagcccacag cacatggtag aaaccaatca ttaccagggt tctggctacc 1800
ctggttcaca tggaaatcaca gccatggctg gcagcatcta tccaggtcag gcactcttt 1860
tggaccaaac agattcatgg aatcatagat ctccaggagat agcaatgtgg cagcccaatg 1920
tggaggactc tacagtattg gacctgcgag ggattgggca agtgttgcca acccatctga 1980
tggagagcgt tctaattcga cagcaacagg aaatggaaga agatcagcgc tggctggaaa 2040
aagaggaaaag atttctgatt ggaaaccaac atatatatca gcctgtgggt aaaccagatc 2100
ctgcagctcc accaaagaaa ccgctcgcct ctggagctcc cggtcactctg ggaagccttg 2160
ccagcctcag cagccctgct gacagctaca acgagggtgt caagcttcag cccagggaaa 2220
tcagccccc cctactgcc aacctggacc ggtcgaatga taagggtgtac gagaatgtga 2280
cgggcctggt gaaagctgtc atcgagatgt ccagtataat ccagccagcc ccaccagagg 2340
agtatgtccc tatggtgaag gaagtcggct tggccctgag gac attattg gccactgtgg 2400
atgagaccat tcccctccta ccagccagca cccaccgaga gattgagatg gcacagaagc 2460
tattgaactc tgacctgggt gagctcatca acaagatgaa actggcccag cagtatgtca 2520
tgaccagcct ccagcaagag taaaaaagc aaatgctgac tgcgctcac gccctggctg 2580
tggatgccaa aaacttac tc gatgtcattg accaagcaag actgaaaatg cttgggcaga 2640
cgagaccaca ctgagcctcc cctaggagca cgtcttgcta cctctttttg aagatgttct 2700
ctagccttcc accagcagc aggaattaac cctgtgtcct cagtgcgag cactcacagc 2760
tccaactttt ttgaatgacc atctggttga aaaatcttct tcatataagt ttaacca cac 2820
tttgatttgg gttcattttt tgttttgttt ttttcaatca tgatattcag aaaaatccag 2880
gatccaaaat gtggcgtttt tctaagaatg aaaattatat gtaagctttt aagcatcatg 2940
aagaacaatt tatgttcaca ttaagatacg ttctaaagg ggtggccaa ggggtgacat 3000
cttaattcct aaactacctt agctgcatag t ggaagagga gagccggaat tc 3052

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<210> 286

<211> 377

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(377)

<223> 3' terminal sequence. cyclin -dependent
kinase 4 (CDK4) gene.

```

<400> 286
gnataaaaaa ggaccccaaa tataaaggna gggaaaggga caagagggaa catacccctt 60
agtgtagaga aatgggaagg agaaggagaa gcctcaaaaag gaggtgggag gggaatgtca 120
ttaaggcagc aaagtaatct ctgtagaaag atggaggagg accctccata gcctcagaga 180
taaaggcaaa gattgccttc tc agtgtcca gaagggaat gggcagcttt tcttcntcc 240
atgggagcgc actccattgc tcaactccgn ttaccttcat ccttatgtag gataagagtn 300
ctgcagagct tcgaaagggc agagattcgc ttgtgtggg ttaaaagtca gcatttccan 360
cagcagcttt tgcttcc 377

```

<210> 287

<211> 363

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(363)

<223> 5' terminal sequence. cyclin -dependent
kinase 4 (CDK4) gene.

<400> 287

```

catatctgga caaggcaccc ccaccaggct tgcagccgaa acgatcaagg atctgatgcg 60
ccagtttcta agaggcctag atttcccttca tgccaattgc atcgttcacc gagatctgaa 120
gccagagaac attctggtga caagtggtn gacagtcagg ctggctgact ttngcctggc 180
cagaatctac agctaccaga tggcaacttac acccggtggtt gttacactct ggtacc gagg 240
tcccgaagtt cttctngcag tccacatatg caacacctgt gggacatgtg ggagtgttg 300
ctgtatcttt gcagagatgt ttctgtogaaa nctctcttt ctgtggnaaa ctctgtaagg 360
ccg 363

```

<210> 288

<211> 1443

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(1443)

<223> cyclin-dependent kinase 4 (CDK4) gene.

<400> 288

```

ggcctccag tttccgcgcg cctctttggc agctggtcac atgggtgagg tgggggtgag 60
ggggcctctc tagcttgccg cctgtgtcta tggctgggcc ctctgcgtcc agctgctccg 120
gaccgagctc ggggtgtatg ggccgtagga accggctccg gggcccgat aacgggcccgc 180
ccccacagca ccccgggctg gctgtagggt ctcccttgat ctgagaatgg ctacctctcg 240
atatgagcca gtggctgaaa ttgtgtcgg tgcctatggg acagtgt aca aggcccggtga 300
tccccacagt ggccaactttg tggccctcaa gactgtgaga gtccccaatg gaggaggagg 360
tgaggagggc cttcccatca gcacagtccg tgagggtggt ttactgaggc gactggaggc 420
ttttgagcat cccaatgttg tccggtgat ggacgtctgt gccacatccc gaactgaccg 480
ggagatcaag gtaaccctgg tgttt gagca tgtagaccag gacctaaagg catatctgga 540
caaggcaccc ccaccaggct tgccagccga aacgatcaag gatctgatgc gccagtttct 600
aaggaggcta gatttccttc atgccaatg catcggtcac cgagatctga agccagagaa 660
cattctggtg acaagtgggt gaacagtcaa gctggctgac tttggcctgg ccagaatcta 720

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188/292

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cagctaccag atggcactta caccggtggt tggtacactc tggtagcgag ctcccgaaagt 780
tcttctgcag tccacatatg caacacctgt ggacatgtgg agtggtggct gtatctttgc 840
agagatgttt cgtcgaaagc ctctcttctg tggaaactct gaagccgacc agttgggcaa 900
aatctttgac ctgattgggc tgcctccaga ggatgactgg cctcg agatg tatccctgcc 960
ccgtggagcc tttcccccca gagggccccg cccagtgcag tcggtgggtac ctgagatgga 1020
ggagtcggga gcacagctgc tgctggaaat gctgactttt aacccacaca agcgaatctc 1080
tgcttttoga gctctgcagc actcttatct acataaggat gaaggtaatc cggagtgcgc 1140
aatggagtgg ctgccatgga aggaagaaaa gctgccattt ccttctgga cactgagagg 1200
gcaatctttg cctttatctc tgaggctatg gagggctctc ctccatcttt ctacagagat 1260
tactttgctg ccttaatgac attccctcc cactctctct tttgaggctt ctccttctcc 1320
ttccatttc tctacactaa ggggtatgtt cctcttctgc cctttcccta cctttatatt 1380
tggggctcct ttttatacag gaaaaacaaa accaaaagaa awaatggccc tttttttttt 1440
ttt
1443

```

<210> 289

<211> 394

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(394)

<223> 3' terminal sequence. basic transcription factor 3 (BTF3) gene.

<400> 289

```

cccgcgtgtg tgcgcctaan ctcagngnngn ccacccgaga ccccttgagc accaacccta 60
gtccccgcgc cggccctna ttcgctccga caagatgaaa gaaaca atca tgaaccaggg 120
aaaactcgcc aaactgcagg cacaagtgcg cattggtggg aaaggaactg ctgcagaaa 180
gaagaagggtg gttcatagaa cagccacagc agatgacaaa aaacttcagt tctccttaaa 240
gangttagggt gtaaacaata tctctggnat tgaagagggt aatatgttta caaaccaggg 300
aacagtgatc cactttaaca acc tnaagt tcagggcac tctgggcagc ggacactttc 360
accattacng gccttgctga gncaaagcag ctgg
394

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<210> 290

<211> 477

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(477)

<223> basic transcription factor 3 (BTF3) gene.

<400> 290

```

atgcgacgga caggcgcacc cgctcaggct gactctcggg ggcgaggctg agccaggggc 60
ggctgccctg ggggcgaggc gacgtgtct caacctccac ctgcggcgag aaccgagga 120
gaggagcctc agatgaaaga aacaatcatg aaccag gaaa aactcgccaa actgcaggca 180
caagtgcgca ttggtgggaa agtgaatatg tttaaaacc aaggaacagt gatccacttt 240
aacaacccta aagttcaggc atctctggca gcgaacactt tcaccattac aggccatgct 300
gagacaaaagc agctgacaga aatgctaccc agcatcttaa accagcttgg tgcggatagt 360
ctgactagtt taaggagact ggccgaagct ctgccaaaac aatctgtgga tggaaaagca 420
ccacttgcta ctggagagga tgatgatgat gaagttccag gaggttcca agaatga 477

```

<210> 291
 <211> 388
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(388)
 <223> 3' terminal sequence. colony stimulating
 factor 1 receptor, formerly mcdonough feline
 sarcoma viral (v-fms) oncogene homolog (CSF1R)
 gene.

<400> 291
 tgctgttagt ttaatgtgga cagagacatc ccacggcgtg actgttagt t aggatgagtc 60
 agcttggggg agtttgtgct tcctgcttgg ngtggccagc cacatgccaa gtccccctgc 120
 cttctagccc agaatgacgg gactgggcag aacaccccga acttttagct gccacttggc 180
 tcattacagc agtaccagta tgggggtggg aggggtgagg cnttggagtg aaggcggcgt 240
 atagggcaga gactaagagg gtctgtg ag attcttagag gagccatcct gntccaaggg 300
 gectgagctg agtntgggtc tgtgagcatc tgctgctcct ctcagagagg ggagatctca 360
 ctctctgcca gtctgtctag ccccaaag 388

<210> 292
 <211> 3992
 <212> DNA/RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(3992)
 <223> colony stimulating factor 1 receptor,
 formerly mcdonough feline sarcoma viral (v -fms)
 oncogene homolog (CSF1R) gene.

<400> 292
 ggcttcagga agggcagaca gagtgtccaa aagcgtgaga gcacgaagtg aggagaaggt 60
 ggagaagaga gaagaggaag aggaagagga agagaggaag cggaggggaa tgccggccagg 120
 ctaaaagggg aagaagagga tcagcccaag gaggaggaag aggaaaacaa gacaaacagc 180
 cagtgcagag gagaggaacg tgtgtccagt gtcccgatcc ctgcggagct agtagctgag 24 0
 agctctgtgc cctgggcacc ttgcagccct gcacctgcct gccacttccc caccgaggcc 300
 atggggcccag gagttctgct gtcctgtctg gtggccacag cttggcatgg tcagggaatc 360
 ccagtgatag agcccagtggt ccccgagctg gtctggaagc caggagcaac ggtgaccttg 420
 cgatgtgtgg gcaatggcag cgtggaatgg gatggccccg catcacctca ctggaccttg 480
 tactctgatg gtcacagcag catcctcagc accaacaacg ctaccttoca aaacacgggg 540
 acctatcgtc gcactgagcc tggagacccc ctgggaggca gcgcggccat ccacctctat 600
 gtcaaagacc ctgcccggcc ctggaacgtg ctagcacagg aggtggctgt gttcaggagc 660
 caggacgcac tactgccctg tctgtcaca gaccoggtgc tggaaacagg cgtctcgtctg 720
 gtgcgtgtgc gtggccggcc cctcatgcgc cacaccaact actccttctc gccctggcat 780
 ggcttcacca tccacagggc caagttcatt cacagccagg actatcaatg cagtgccttg 840
 atgggtggca ggaaggtgat gtccatcagc atccggctga aagtgcagaa agtcatccca 900
 gggcccccag ccttgacact ggtgcctgca gagctgggtc ggattcagagg ggaggctgcc 960
 cagatcgtgt gctcagccag cagcgttgat gttaactttg atgtcttctt ccaacacaac 1020

190/292

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aacactaagc tcgcaatccc tcaacaatct gactttcata ataaccgtta ccaaaaagtc 1080
ctgaccctca accctcgatca agtagatttc caacatg ccg gcaactactc ctgcgtggcc 1140
agcaacgtgc agggcaagca ctccacctcc atgtttcttc ggggtggtaga gagtgcctac 1200
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ccccagagg taagcgtcat atggacattc atcaacggt ctggcaccct tttgtgtgct 1560
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caggaagcac aaactcccc aagctgact c atcctaacta acagtccacgc cgtgggatgt 3960
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3992

```

<210> 293

<211> 356

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature
 <222> (1)..(356)
 <223> 3' terminal sequence. friend leukemia virus
 integration 1 (FLI1) gene.

<400> 293
 tttatttagt caaattatit tacaacatgg ncttctttga cagttgtcag cttaacactt 60
 aatatagtta aaaaagtcaa caattacctg caaaattata tatatntnaa tgtctaaaaa 120
 tatgtngctt atatagagca ggaaaatccc tcctctccac aagggaagt ttcgttggtt 180
 tncccagagc tgtgattatn gcagtactgt tacacgcatt tccaaagcat taaagancta 240
 aatgggatta tctttncctt gcttgtgtat gcctgtnaaa taactgtacc agtggctttg 300
 ctttctcata ggtcagtgc ttaaacagcc ctgtttcctt ttcggctata g ggcatt 356

<210> 294
 <211> 465
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(465)
 <223> 5' terminal sequence. friend leukemia virus
 integration 1 (FLI1) gene.

<400> 294
 gaccaaagca gtttcttgto aatacacggg gttcagtatg acacagaatc atggacttaa 60
 cccgtcatgt totggtttga gatttagtga caaatagagg tgggaagctt ataattctaat 120
 tttaggagga ccaaattcag tggatggcaa ctggaacatt gattgtaagg ccagtgaagt 180
 tttcacccaa ctggaatttg atggaagaa gggt tgtgtg tttaagacgc caagggcatt 240
 gcagaatccc tctcagtgga cagtatgcac tcagctgacc actctctcta gccaatagtc 300
 aagatatgga actaaggaaa ttttaatgcc aaattacata cattcctgaa agacggggga 360
 attaaattna ctaattttnt tttttttttt ttaaatgatn gacagtggnt ccccggaact 420
 tgggaaangt tgtaggggnt ttctaaaccc aagncgattc gcant 465

<210> 295
 <211> 2957
 <212> DNA/RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:primer

<220>
 <221> misc_feature
 <222> (1)..(2957)
 <223> friend leukemia virus integrati on 1 (FLI1)
 gene.

<400> 295
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 ggcccagggc gccagggagg ccgcgcggg ctaatccgaa ggggctgcga ggtcaggctg 120
 taaccgggtc aatgtgtgga atattggggg gctcggctgc agacttggcc aaatggacgg 180
 gactattaag gaggtctgtt cggtgggtgag cgacgaccag tccctctttg actcagcgta 240
 cggagcggea gcccatctcc ccaaggccga catgactgcc tcggggagtc ctgactacgg 300
 gcagcccac aagatcaacc cctcccacc acagcaggag tggatcaatc agccagtgcg 360
 ggtcaacgtc aagcgggagt atgaccacat gaatggatoc agggagtctc c ggtggactg 420

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cagcggttagc aaatgcagca agctgggtggg cggaggcgag tccaacccca tgaactacaa 480
cagctatatg gacgagaaga atggccccc tcttcccaac atgaccacca acgagaggag 540
agtcatcgtc cccgcagacc ccacactgtg gacacaggag catgtgaggc aatggctgga 600
gtgggccata aaggagtaca gcttgatgga gatcgacaca tccttttttc agaacatgga 660
tggcaaggaa ctgtgtaaaa tgaacaagga ggaatttcct cgcgccacca ccctctacaa 720
cacggaagtg ctgttggtcac acctcagtta cctcagggaa agttcactgc tggcctataa 780
tacaacctcc cacaccgacc aatcctcacg attgagtgtc aaagaagacc cttcttatga 840
ctcagtcaga agaggagctt ggggcaataa catgaattct ggctcaaca aaagtcctcc 900
ccttgagggg gcacaaacga tcagtaagaa tacagagcaa cggccccagc cagatccgta 960
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agcagtttct tgtcaatata cggggttcag tatgacacag aatcatggac ttaacccgtc 1920
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cctatagctg aaaaggaaac agggctgttt aagtcactga cttatgagaa agcaaagcac 2640
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actttccctt gtggagagga gggattttcc tgctctata t aagcaacata ttttttagaca 2820
ttaaaatata tataattttg caggttaattg ttgacttttt taactatat aagtggttaag 2880
ctgacaactg tcaaagaaga ccatgttgta aaataattg actaaataaa tggttccctc 2940
tctcaaaaaa aaaaaaa
2957

```

<210> 296

<211> 400

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(400)

<223> 3' terminal sequence. ests, highly similar
to tvhume hepatocyte growth factor receptor
precursor [h.sapiens] (EST R97218) gene.

<400> 296

193/292

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cacccttctt cttcacagat cacgaagatc ccattgaatg gcttgggctg cagacatttc 60
cagtcctgca gtcaatgcct ctctgcccc aaccttggctc agtgtggctg gtgcaganca 120
aatgtgtgag atcgaggagaa tgccctgagcg ggacatggac tcaacagatc tgtctgcctg 180
caatctacaa ggttaggaatc tctaacagct ggcatatcatg tttttgtttg gtgttttttt 240
tttttttttg gtttggtttg gtttggtttt tggtttttta gatacaaatc ccactaatga 300
aaaaaattta aaatcaatt tactcattta ggctgtgagg tcatcaggct aaagcaccat 360
ctctctcttg ggctttatcc ctggggcagg ggagggggg 400

```

<210> 297

<211> 464

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(464)

<223> 5' terminal sequence. ests, highly similar
to tvhume hepatocyte growth factor receptor
precursor [h.sapiens] (EST R97218) gene.

<400> 297

```

cgtggtagat tttcatagtg ccgaatatat gcttaagcaa ataaggcaac acagtttagca 60
tggctgcgat gtttagccaat gtccattgcc agaaactgag ttctctatca gcaagagatg 120
tgctcatctt gttctggact atatctctc a gggactaga gggcagcctg ctaaattgta 180
tgcactcaat aaatattttt ggaatgaatt aaagagtggc atggcttaca gaagtataga 240
tgtagtata gtcattcgtt gaccccttc ttttttttct gggaacactg aaggaagact 300
cacagccacc catgggtggt tgacctcca ctgacctgac ccacctcacc cgggaaata 360
atcttcagtc tcactgtgag aacagacaag gccacctct atggcttcgg nacaggtagn 420
aaaactgtcc tgtgtggccc cgctnggcag ggatcaccag tttag 464

```

<210> 298

<211> 378

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(378)

<223> 3' terminal sequence. ets variant gene 5
(ets-related molecule) (ETV5) gene.

<400> 298

```

aaataccaaa actacaaaaa tcagtttata aactgttttt ccaaaacaac caccaaaaaca 60
aaacaatccc ccaaatcagg gcaaaacaaa atactgtcaa aagtgttaat cgcccttctc 120
ctaaaataaa agtcatccac actcagccac gtgattggga agagaaaggg ggcttgctct 180
acttggcgac cacatggccg ggtggttccc aagagttagc atggtttatg attttgagaa 240
ccacggaggg ggnaaacagc tgtttctgact gccccctttt ttctagacaa ggggtaatat 300
ttcagattca gctagaagag ctttccaat g ttttaagatg atttttaanc cttaatggtt 360
tnaggcctcc ccaacttt 378

```

<210> 299

<211> 317

194/292

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(317)

<223> 5' terminal sequence. ets variant gene 5
(ets-related molecule) (ETV5) gene.

<400> 299

```

actggaagag gttgctcggc gctggggcat ccagaagaac cggccagcca tgaactatga 60
caagctgagc cgctctctcc gctattacta tgaaaagggc atcatgcaga aggtggctgg 120
agagcgatac gtctacaaat ttgtctgtga ccagatgcc ctctcttoca tggctttccc 180
ggataaccag cgcccgttcc tgaaggcaga gtccgagtgc cacctcagcg aggaggacac 240
cctgcgcgtg acccactttg aagacagccc cgcttacctc ctggacatgg accgctgcag 300
cagcctcccc tatgccg                                     317

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<210> 300

<211> 4071

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc_feature

<222> (1)..(4071)

<223> ets variant gene 5 (ets -related molecule)
(ETV5) gene.

<400> 300

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gagtccagcc gctgggtgcgc ggagcggttc accgtcttcg gagcgggttcg gccagcctt 60
tcgcccaggg gccagggccc gctgcgcgcg tgcgtgagcg cgctgcgcc gccagggccg 120
ctgcaagggg aggagagcgg ccgcctcagg aggatccctt tccccccaga aattactcaa 180
tgctgaaacc tctcaaagtg gtattagaga cgctgaaagc accatggacg ggttttatga 240
tcagcaagtc ccttttatgg tcccagggaa atctcgatct gaggaatgca gagggcggcc 300
tgtgattgac agaaagagga agtttttggg cacagatctg gctcacgatt ctgaagagct 360
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caagatcaaaa cgggagctgc acagcccctc ctctgagctg tcgtcttgta gccatgagca 540
ggctcttggt gctaactatg gagaaaagtg cctctacaac tattgtgcct atgataggaa 600
gcctccctct gggttcaagc cattaacccc tectacaacc cccctctcac ccacccatca 660
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tgcccagtt caaggtgtgg gcccgcgcc cgcccccat tcgcttcag agcctggacc 780
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cattgcctgg acaggtcgag gcatggagtt caagctgata gaaccggaag aggttgctcg 1440
gcgctggggc atccagaaga accggccagc catgaactat gacaagctga gccgtctct 1500

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195/292

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ccgctattac tatgaaaagg gcatcatg ca gaagggtggct ggagagcgat acgtctacaa 1560
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cctgaaggca gagtccgagt gccacctcag cgaggaggac accctgccgc tgacccactt 1680
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cattggctgg ggagtgggaa cagggagggg cagaaaacca c caaaaggcc agtgcctcaa 1980
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<220>

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<223> 3' terminal sequence. cyclin-dependent
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196/292

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<212> DNA

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<221> misc_feature

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<210> 303

<211> 420

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:primer

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<213> Artificial Sequence